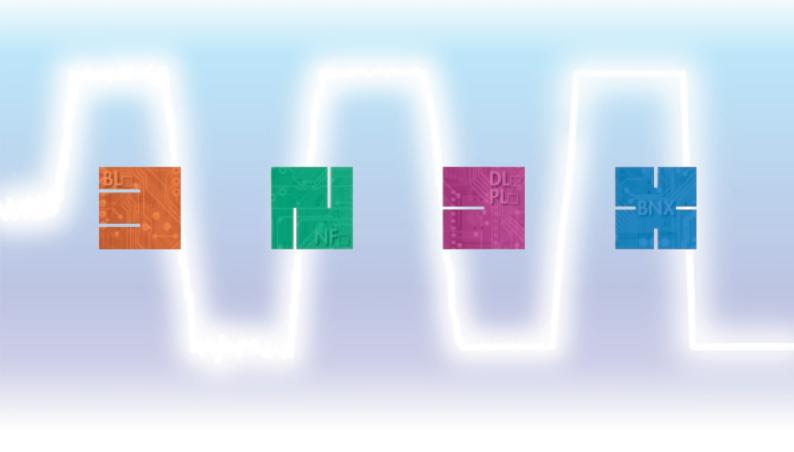
SMD/BLOCK Type EMI Suppression Filters

EMIFIL®





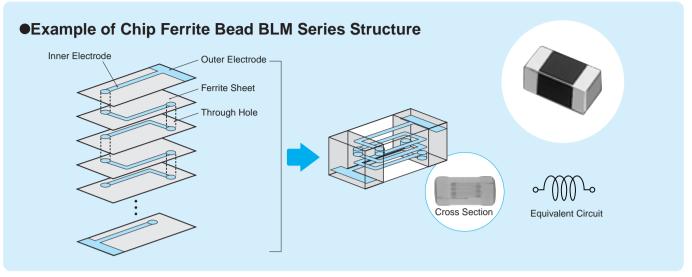


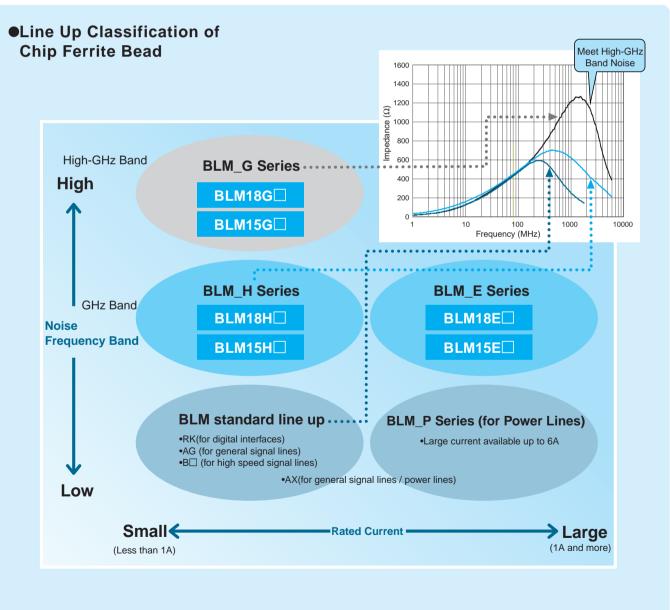
Chip Ferrite Bead

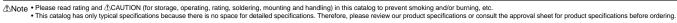
Series Introduction ·····	14
Part Numbering ·····	16
Series Line Up ·····	17
Product Detail ·····	22
$\triangle \textit{Caution/Notice} \ \cdots $	90
Soldering and Mounting	91
Packaging ·····	95
Design Kits ·····	96



BL Series Introduction





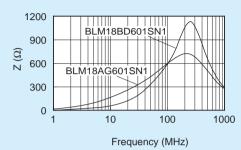




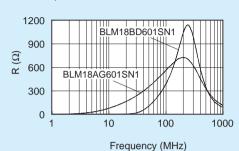
●Difference between BLM A type and B type (HG type vs HD/HB type)

A type: Impedance curve rises from low frequency range. Suppress noise in wide frequency range. B type: Impedance curve rises sharply. Less damage to signal waveforms.

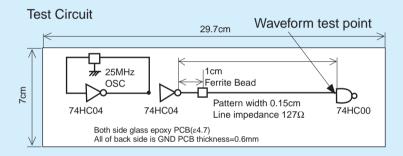
■Comparison of Impedance Curve

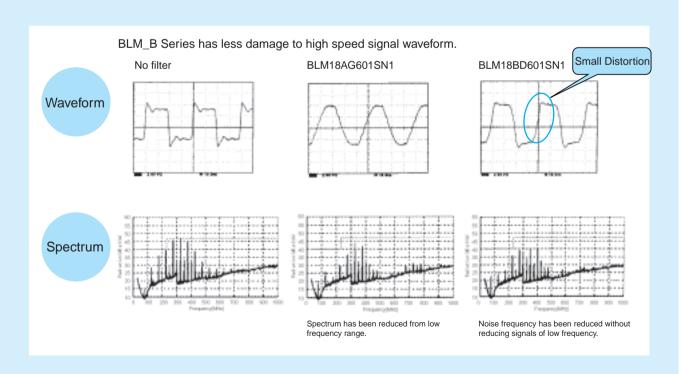


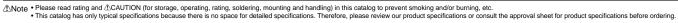
■Comparison of Resistance Element



■Comparison of Test Effect (25MHz)









Chip Ferrite Bead Part Numbering

(Part Number)

BL	M	18	AG	102	S	N	1	D

●Product ID

Product ID	
BL	Chip Ferrite Beads

2Туре

<u>• 1) 0</u>	
Code	Туре
Α	Array Type
M	Ferrite Bead Single Type

3Dimensions (LXW)

Code	Dimensions (LXW)	EIA		
02	0.4×0.2mm	01005		
03	0.6×0.3mm	0201		
15	1.0×0.5mm	0402		
18	1.6×0.8mm	0603		
2A	2.0×1.0mm	0804		
21	2.0×1.25mm	0805		
31	3.2×1.6mm	1206		
41	4.5×1.6mm	1806		

Expressed by three figures. The unit is in ohm (Ω) at 100MHz. The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two figures.

Expressed by a letter.

•		
Ex.)	Code	Electrode
	S/T	Sn Plating
	Α	Au Plating

Category

•	
Code	Category
N	Standard Type

8 Number of Circuits

Code	Number of Circuits
1	1 Circuit
4	4 Circuits

Code *1	Characteristics/Applications	Series			
AG		BLM02/03/15/18/21, BLA2A/31			
AX	for General Use	BLM03/15			
TG		BLM18			
ВА		BLM15/18			
ВВ	for High around Signal Lines	BLM03/15/18/21, BLA2A			
вс	for High-speed Signal Lines	BLM03/15			
BD		BLM03/15/18/21, BLA2A/31			
PD		BLM15			
PG	for Power Supplies	BLM03/15/18/21/31/41			
PX		BLM15			
KG	for Power Supplies (Low DC Resistance Type)	BLM18			
SG	Tol Power Supplies (Low DC Resistance Type)	BEM18			
RK	for Digital Interface	BLM18/21			
HG	for GHz Band General Use	BLM03/15/18			
EG	for GHz Band General Use (Low DC Resistance Type)	BLM15/18			
НВ		BLM15/18			
HD	for GHz Band High-speed Signal Lines	BLM03/15/18			
HE		BLM18			
НК	for GHz Band Digital Interface	BLM18			
GA	for High-GHz Band High-speed Signal Lines	BLM15			
GG	for High-GHz Band General Use	BLM15/18			

^{*1} Frequency characteristics vary with each code.

Packaging

Code	Packaging	Series			
К	Embossed Taping (ø330mm Reel)	D1 104 *1/04444			
L	Embossed Taping (ø180mm Reel)	BLM21 * ¹ /31/41			
В	Bulk	All Series			
J	Paper Taping (ø330mm Reel)	BLM03/15/18*3/21*2, BLA2A/31			
D	Paper Taping (ø180mm Reel)	BLM02/03/15/18/21 *2, BLA2A/31			

^{*1} BLM21BD222SN1/BLM21BD272SN1 only. *2 Except BLM21BD222SN1/BLM21BD272SN1

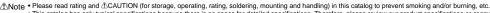


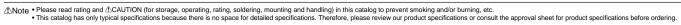
^{*3} Except BLM18T

Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Chip Ferrite Bead Series Line Up

Size Thickness Code Type			5	Impedance		Rated		≧1 _A	G _{Hz}		
(Inch)	(mm)		Туре	Part Number	at 100MHz/20°C	at 1GHz/20°C	Current	New Ki	t ≧3A	Hi _{GHz} Flow	w ReFlow
	0.2		p46	BLM02AG100SN1	10ohm(Typ.)	-	500mA	K	it		ReFlow
01005	0.2	For Gen	eral Signal Lines	BLM02AG700SN1	70ohm±25%	-	250mA	K	it		ReFlow
	0.2			BLM02AG121SN1	120ohm±25%	-	200mA	K	ít		ReFlow
	0.3		p47	BLM03AG100SN1	10ohm(Typ.)	-	500mA	K	it		ReFlow
	0.3			BLM03AG700SN1	70ohm(Typ.)	-	200mA	K	it		ReFlow
	0.3			BLM03AG800SN1	80ohm±25%	-	200mA	K	it		ReFlow
	0.3	For Gen	eral Signal Lines	BLM03AG121SN1	120ohm±25%	-	200mA	K	it		ReFlow
	0.3			BLM03AG241SN1	240ohm±25%	-	200mA	K	it		ReFlow
	0.3			BLM03AG601SN1	600ohm±25%	-	100mA	K	ít		ReFlow
	0.3			BLM03AG102SN1	1000ohm±25%	-	100mA	K	it		ReFlow
	0.3		p22	BLM03AX100SN1	10ohm(Typ.)	-	1000mA	K	it ≧1A		ReFlow
	0.3			BLM03AX800SN1	80ohm±25%	-	500mA	K	it		ReFlow
	0.3	Uni	versal Type	BLM03AX121SN1	120ohm±25%	-	450mA	K	ít		ReFlow
	0.3	[Power li	ines/Signal lines]	BLM03AX241SN1	240ohm±25%	-	350mA	K	it		ReFlow
	0.3			BLM03AX601SN1	600ohm±25%	-	250mA	K	it		ReFlow
	0.3			BLM03AX102SN1	1000ohm±25%	-	200mA	K	it		ReFlow
	0.3		p57	BLM03BD750SN1	75ohm±25%	-	300mA	K	it		ReFlow
	0.3			BLM03BD121SN1	120ohm±25%	-	250mA	K	it		ReFlow
	0.3			BLM03BD241SN1	240ohm±25%	-	200mA	K	it		ReFlow
0004	0.3			BLM03BD471SN1	470ohm±25%	-	215mA	K	it		ReFlow
0201	0.3			BLM03BD601SN1	600ohm±25%	-	200mA	K	it		ReFlow
	0.3			BLM03BB100SN1	10ohm±25%	-	300mA	K	it		ReFlow
	0.3		Speed Signal Lines	BLM03BB220SN1	22ohm±25%	-	200mA	K	it		ReFlow
	0.3	(Snarp in	npedance Curve)	BLM03BB470SN1	47ohm±25%	-	200mA	K	it		ReFlow
	0.3			BLM03BB750SN1	75ohm±25%	-	200mA	K	it		ReFlow
	0.3			BLM03BB121SN1	120ohm±25%	-	100mA	K	it		ReFlow
	0.3			BLM03BC330SN1	33ohm±25%	-	150mA	New K	it		ReFlow
	0.3			BLM03BC560SN1	56ohm±25%	-	100mA	New K			ReFlow
	0.3			BLM03BC800SN1	80ohm±25%	-	100mA	New K			ReFlow
	0.3	_	p30	BLM03PG220SN1	22ohm±25%	-	900mA	K	it		ReFlow
	0.3	For	Power Lines	BLM03PG330SN1	33ohm±25%	-	750mA	K			ReFlow
	0.3		For General p75	BLM03HG601SN1	600ohm±25%	1000ohm±40%	150mA	K	ít	GHz	ReFlow
	0.3		Signal Lines	BLM03HG102SN1	1000ohm±25%	1800ohm±40%	125mA	K	it	GHz	ReFlow
	0.3	For GHz	p75	BLM03HD331SN1	330ohm±25%	-	200mA	New K	it	GHz	ReFlow
	0.3	Band Noise	For High Speed	BLM03HD471SN1	470ohm±25%	-	175mA	New K	it	GHz	ReFlow
	0.3		Signal Lines	BLM03HD601SN1	600ohm±25%	-	150mA	New K	it	GHz	ReFlow
	0.3			BLM03HD102SN1	1000ohm±25%	-	120mA	New K		GHz	ReFlow
	0.5		p49	BLM15AG100SN1	10ohm(Typ.)	-	1000mA		it ≧1A		ReFlow
	0.5			BLM15AG700SN1	70ohm(Typ.)	-	500mA	K			ReFlow
	0.5			BLM15AG121SN1	120ohm±25%	-	500mA	K	it		ReFlow
	0.5	F C	anal Cimpal Lipaa	BLM15AG221SN1	220ohm±25%	-	300mA	K	it		ReFlow
	0.5	For Gen	eral Signal Lines	BLM15AG601SN1	600ohm±25%	-	300mA	K	it		ReFlow
	0.5	1		BLM15AG102SN1	1000ohm±25%	-	200mA	K			ReFlow
	0.5	1	p51	BLM15AG601AN1	600ohm±25%	-	300mA				
0402	0.5			BLM15AG102AN1	1000ohm±25%	-	200mA				
	0.5		p24	BLM15AX100SN1	10ohm(Typ.)	-	1740mA	K	it ≧1A		ReFlow
	0.5	1		BLM15AX300SN1	30ohm±25%	-	1100mA	New K			ReFlow
	0.5	l		BLM15AX700SN1	70ohm±25%	-	780mA	K			ReFlow
	0.5		versal Type	BLM15AX121SN1	120ohm±25%	-	680mA	K			ReFlow
	0.5	[Power II	ines/Signal lines]	BLM15AX221SN1	220ohm±25%	-	580mA	K			ReFlow
	0.5	1		BLM15AX601SN1	600ohm±25%	-	420mA	K			ReFlow
	0.5]		BLM15AX102SN1	1000ohm±25%	-	350mA	K			ReFlow
								Continued o		llowing na	

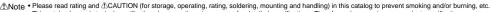


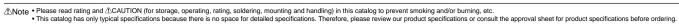




BL□ Chip Ferrite Bead Series Line Up

Size Thickness Code (Inch) (mm)			Dank Namahan	Impedance		Rated	N K	≧1a G	iHz		
(Inch)	(mm)		Type	Part Number	at 100MHz/20°C	at 1GHz/20°C	Current	New Kit	≧3 _A Hi	GHz	ReFlow
	0.5		p59	BLM15BD750SN1	75ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BD121SN1	120ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BD221SN1	220ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BD471SN1	470ohm±25%	-	200mA	Kit			ReFlow
	0.5			BLM15BD601SN1	600ohm±25%	-	200mA	Kit			ReFlow
	0.5			BLM15BD102SN1	1000ohm±25%	-	200mA	Kit			ReFlow
	0.5			BLM15BD182SN1	1800ohm±25%	-	100mA	Kit			ReFlow
	0.5			BLM15BB050SN1	5ohm±25%	-	500mA	Kit			ReFlow
	0.5			BLM15BB100SN1	10ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BB220SN1	22ohm±25%	-	300mA	Kit			ReFlow
	0.5	For High S	Speed Signal Lines	BLM15BB470SN1	47ohm±25%	-	300mA	Kit			ReFlow
	0.5	(Sharp Ir	npedance Curve)	BLM15BB750SN1	75ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BB121SN1	120ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BB221SN1	220ohm±25%	-	200mA	Kit			ReFlow
	0.5			BLM15BC121SN1	120ohm±25%	-	350mA	Kit			ReFlow
	0.5			BLM15BC241SN1	240ohm±25%	-	250mA	Kit			ReFlow
	0.5			BLM15BA050SN1	5ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BA100SN1	10ohm±25%	-	300mA	Kit			ReFlow
	0.5			BLM15BA220SN1	22ohm±25%	-	300mA	Kit			ReFlow
0402	0.5			BLM15BA330SN1	33ohm±25%	-	300mA	Kit			ReFlow
0402	0.5			BLM15BA470SN1	47ohm±25%	-	200mA	Kit			ReFlow
	0.5			BLM15BA750SN1	75ohm±25%	-	200mA	Kit			ReFlow
	0.5		p31	BLM15PX121SN1	120ohm±25%	-	1800mA	New Kit	≧1a		ReFlow
	0.5		р32	BLM15PG100SN1	10ohm(Typ.)	-	1000mA	Kit	≧1 _A		ReFlow
	0.5	For	Power Lines	BLM15PD300SN1	30ohm±25%	-	2200mA	Kit	≧1 _A		ReFlow
	0.5	FOI	Power Lines	BLM15PD600SN1	60ohm±25%	-	1700mA	Kit	≧1 _A		ReFlow
	0.5			BLM15PD800SN1	80ohm±25%	-	1500mA	Kit	≧1 A		ReFlow
	0.5			BLM15PD121SN1	120ohm±25%	-	1300mA	Kit	≧1 A		ReFlow
	0.5		p77	BLM15HG601SN1	600ohm±25%	1000ohm±40%	300mA	Kit	(ìНz	ReFlow
	0.5		For General Signal Lines	BLM15HG102SN1	1000ohm±25%	1400ohm±40%	250mA	Kit	(ìНz	ReFlow
	0.5		p77	BLM15HD601SN1	600ohm±25%	1400ohm±40%	300mA	Kit	0	ìНz	ReFlow
	0.5		For High Speed	BLM15HD102SN1	1000ohm±25%	2000ohm±40%	250mA	Kit	0	йHz	ReFlow
	0.5	For GHz	Signal Lines	BLM15HD182SN1	1800ohm±25%	2700ohm±40%	200mA	Kit	•	йHz	ReFlow
	0.5	Band Noise	(Sharp Impedance Curve)	BLM15HB121SN1	120ohm±25%	500ohm±40%	300mA	Kit	0	ìНz	ReFlow
	0.5			BLM15HB221SN1	220ohm±25%	900ohm±40%	250mA	Kit		йHz	ReFlow
	0.5		Universal Type p27	BLM15EG121SN1	120ohm±25%	145ohm(Typ.)	1500mA	Kit	≧1 _A C	ìНz	ReFlow
	0.5		[Power Lines/Signal Lines]	BLM15EG221SN1	220ohm±25%	270ohm(Typ.)	700mA	Kit		йHz	ReFlow
	0.5	For High-GH-	p83	BLM15GG221SN1	220ohm±25%	600ohm±40%	300mA	Kit		GHz	ReFlow
	0.5	Band Noise	For General Signal Lines	BLM15GG471SN1	470ohm±25%	1200ohm±40%	200mA	Kit		I _{GHz}	ReFlow
	0.5	Bana Noise	For High Speed Signal Lines P83	BLM15GA750SN1	75ohm±25%	1000ohm±40%	200mA	Kit	•	GHz	ReFlow
	8.0		p52	BLM18AG121SN1	120ohm±25%	-	500mA	Kit			ReFlow
	0.8			BLM18AG151SN1	150ohm±25%	-	500mA	Kit			ReFlow
	0.8			BLM18AG221SN1	220ohm±25%	-	500mA	Kit			ReFlow
	8.0			BLM18AG331SN1	330ohm±25%	-	500mA	Kit			ReFlow
	8.0			BLM18AG471SN1	470ohm±25%	-	500mA	Kit			ReFlow
0603	8.0	For Gen	eral Signal Lines	BLM18AG601SN1	600ohm±25%	-	500mA	Kit			ReFlow
	8.0			BLM18AG102SN1	1000ohm±25%	-	400mA	Kit			ReFlow
	0.6		p56	BLM18TG121TN1	120ohm±25%	-	200mA				ReFlow
	0.6			BLM18TG221TN1	220ohm±25%	-	200mA				ReFlow
	0.6			BLM18TG601TN1	600ohm±25%	-	200mA				ReFlow
	0.6			BLM18TG102TN1	1000ohm±25%	-	100mA			Flow	ReFlow









Size	Thickness		_		Imped	dance	Rated		1 _A G _{Hz}	
Code (Inch)	(mm)		Туре	Part Number	at 100MHz/20°C	at 1GHz/20°C	Current	I Now K it	3A Hi-GHz	ReFlow
(MICH)	0.8		p63	BLM18BD470SN1	47ohm±25%	-	500mA	Kit	Flow	Release
	0.8		,	BLM18BD121SN1	120ohm±25%	_	200mA	Kit	Flow	
	0.8			BLM18BD151SN1	1500hm±25%	-	200mA	Kit	Flow	
	0.8			BLM18BD221SN1	220ohm±25%		200mA	Kit		
						-			Flow	
	0.8			BLM18BD331SN1	330ohm±25%	-	200mA	Kit	Flow	_
	0.8			BLM18BD421SN1	420ohm±25%	-	200mA	Kit	Flow	
	0.8			BLM18BD471SN1	470ohm±25%	-	200mA	Kit	Flow	
	0.8			BLM18BD601SN1	600ohm±25%	-	200mA	Kit	Flow	
	0.8			BLM18BD102SN1	1000ohm±25%	-	100mA	Kit	Flow	
	0.8			BLM18BD152SN1	1500ohm±25%	-	50mA	Kit	Flow	
	0.8			BLM18BD182SN1	1800ohm±25%	-	50mA	Kit	Flow	
	0.8			BLM18BD222SN1	2200ohm±25%	-	50mA	Kit	Flow	
	0.8			BLM18BD252SN1	2500ohm±25%	-	50mA	Kit	Flow	
	0.8			BLM18BB050SN1	5ohm±25%	-	700mA	Kit	Flow	ReFlow
	0.8	Ear High C	Speed Signal Lines	BLM18BB100SN1	10ohm±25%	-	700mA	Kit	Flow	ReFlow
	0.8	_	npedance Curve)	BLM18BB220SN1	22ohm±25%	-	600mA	Kit	Flow	ReFlow
	0.8	(Griaip ii	ripedarice ourve)	BLM18BB470SN1	47ohm±25%	-	550mA	Kit	Flow	ReFlow
	0.8			BLM18BB600SN1	60ohm±25%	-	550mA	Kit	Flow	ReFlow
	0.8			BLM18BB750SN1	75ohm±25%	-	500mA	Kit	Flow	ReFlow
	0.8			BLM18BB121SN1	120ohm±25%	-	500mA	Kit	Flow	ReFlow
	0.8			BLM18BB141SN1	140ohm±25%	-	450mA		Flow	
	0.8			BLM18BB151SN1	150ohm±25%	-	450mA	Kit	Flow	_
	0.8			BLM18BB221SN1	220ohm±25%	-	450mA	Kit	Flow	
	0.8			BLM18BB331SN1	330ohm±25%	-	400mA	Kit	Flow	
	0.8			BLM18BB471SN1	470ohm±25%	-	300mA	Kit	Flow	_
	0.8			BLM18BA050SN1	5ohm±25%	_	500mA	Kit	Flow	
	0.8			BLM18BA100SN1	10ohm±25%	_	500mA	Kit	Flow	
	0.8			BLM18BA220SN1	22ohm±25%	_	500mA		Flow	
	0.8			BLM18BA470SN1	47ohm±25%	_	300mA	Kit	Flow	_
0603	0.8			BLM18BA750SN1	750hm±25%		300mA	Kit	Flow	
	0.8			BLM18BA121SN1	120ohm±25%	-	200mA	Kit	Flow	
	0.8		p70	BLM18RK121SN1		-		Kit	Flow	
			ρίσ		120ohm±25%		200mA	Nit		
	0.8	For Dirit	al lutarfaca Linas	BLM18RK221SN1	220ohm±25%	-	200mA		Flow	
	0.8	For Digit	al Interface Lines	BLM18RK471SN1	470ohm±25%	-	200mA	Kit	Flow	_
	0.8			BLM18RK601SN1	600ohm±25%	-	200mA	Kit	Flow	
	0.8			BLM18RK102SN1	1000ohm±25%	-	200mA	Kit	Flow	
	0.8		p34	BLM18PG300SN1	30ohm(Typ.)	-	1000mA	Kit ≧		
	0.8			BLM18PG330SN1	33ohm±25%	-	3000mA	Kit ≧		
	8.0			BLM18PG600SN1	60ohm(Typ.)	-	500mA	Kit	Flow	
	0.8		Standard Type	BLM18PG121SN1	120ohm±25%	-	2000mA	Kit ≧		
	0.8		Otaliaa i jpo	BLM18PG181SN1	180ohm±25%	-	1500mA	Kit ≧		ReFlow
	0.8			BLM18PG221SN1	220ohm±25%	-	1400mA	Kit ≧		
	0.8			BLM18PG331SN1	330ohm±25%	-	1200mA	Kit ≧		ReFlow
	0.8			BLM18PG471SN1	470ohm±25%	-	1000mA	Kit ≧	1 _A Flow	ReFlow
	0.6		p42	BLM18KG260TN1	26ohm±25%	-	6000mA	Kit ≧	3a Flow	ReFlow
	0.6			BLM18KG300TN1	30ohm±25%	-	5000mA	Kit≧	3a Flow	ReFlow
	0.6	For Power		BLM18KG700TN1	70ohm±25%	-	3500mA	Kit ≧		
	0.6	Lines		BLM18KG101TN1	100ohm±25%	-	3000mA	Kit ≧		
	0.6			BLM18KG121TN1	120ohm±25%	-	3000mA	K _{it} ≧		
	0.8			BLM18KG221SN1	220ohm±25%	-	2200mA	K it ≧		
	0.8	B Low DC Resistance Type p44		BLM18KG331SN1	330ohm±25%	-	1700mA	Kit ≧		
	0.8			BLM18KG471SN1	470ohm±25%	-	1500mA	Kit ≧		_
	0.8			BLM18KG601SN1	600ohm±25%	_	1300mA	Kit ≧		
	0.5			BLM18SG260TN1	26ohm±25%	-	6000mA	Kit ≧		
	0.5			BLM18SG700TN1	70ohm±25%	-	4000mA	Kit ≧		
	0.5			BLM18SG121TN1	120ohm±25%	-	3000mA	Kit ≧		
	0.5			BLM18SG221TN1	220ohm±25%	-	2500mA	Kit ≧		
	0.5			BLM18SG331TN1	330ohm±25%	-	1500mA	Kit ≧		
	U.S	<u> </u>		DEM 10303311N1	3300HH1±2376					=
							С	ontinued on the	e following page	e. 🖊



Note

• Please read rating and
CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BL□ Chip Ferrite Bead Series Line Up

Size	Thickness	_	Tuna	Dort Number	Imped	dance	Rated	N ≧1A	G _{Hz}	D.
Code (Inch)	(mm)		Туре	Part Number	at 100MHz/20°C	at 1GHz/20°C	Current	New Kit ≧3A	Hi _{GHz} Flo	ow ReFlow
	0.8		For General Signal	BLM18HG471SN1	470ohm±25%	600ohm(Typ.)	200mA	Kit	G _{Hz} F _I	ow ReFlow
	8.0		Lines	BLM18HG601SN1	600ohm±25%	700ohm(Typ.)	200mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		Lilles	BLM18HG102SN1	1000ohm±25%	1000ohm(Typ.)	100mA		G _{Hz} F _I	
	0.8		p79	BLM18HE601SN1	600ohm±25%	600ohm(Typ.)	800mA	Kit	G _{Hz} F _I	ow ReFlow
	8.0			BLM18HE102SN1	1000ohm±25%	1000ohm(Typ.)	600mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		Faultish Ossard	BLM18HE152SN1	1500ohm±25%	1500ohm(Typ.)	500mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		For High Speed Signal Lines	BLM18HD471SN1	470ohm±25%	1000ohm(Typ.)	100mA	Kit	G _{Hz} F _I	ow ReFlow
	8.0		(Sharp Impedance	BLM18HD601SN1	600ohm±25%	1200ohm(Typ.)	100mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		Curve)	BLM18HD102SN1	1000ohm±25%	1700ohm(Typ.)	50mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		Ourve)	BLM18HB121SN1	120ohm±25%	500ohm±40%	200mA	Kit	G _{Hz} F _I	ow ReFlow
	8.0			BLM18HB221SN1	220ohm±25%	1100ohm±40%	100mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8	For GHz		BLM18HB331SN1	330ohm±25%	1600ohm±40%	50mA	Kit	G _{Hz} F _I	ow ReFlow
0603	8.0	Band Noise	p79	BLM18HK331SN1	330ohm±25%	400ohm±40%	200mA	Kit	G _{Hz} F _I	ow ReFlow
	0.8		For Digital Interface	BLM18HK471SN1	470ohm±25%	600ohm±40%	200mA	Kit	G _{Hz} F ₁	ow ReFlow
	0.8		Lines	BLM18HK601SN1	600ohm±25%	700ohm±40%	100mA	Kit	G _{Hz} F _i	ow ReFlow
	0.8			BLM18HK102SN1	1000ohm±25%	1200ohm±40%	50mA	Kit	G _{Hz} F _I	ow ReFlow
	0.5		p28	BLM18EG101TN1	100ohm±25%	140ohm(Typ.)	2000mA	Kit ≧1A	G _{Hz} F _I	ow ReFlow
	0.8			BLM18EG121SN1	120ohm±25%	145ohm(Typ.)	2000mA	Kit ≧1A	G _{Hz} F _i	ow ReFlow
	0.8			BLM18EG221SN1	220ohm±25%	260ohm(Typ.)	2000mA	Kit ≧1A	G _{Hz} F _I	ow ReFlow
	0.5		Universal Type	BLM18EG221TN1	220ohm±25%	300ohm(Typ.)	1000mA	Kit ≧1A		
	0.5		[Power lines/	BLM18EG331TN1	330ohm±25%	450ohm(Typ.)	500mA	Kit	G _{Hz} F _I	ow ReFlow
	0.5		Signal lines]	BLM18EG391TN1	390ohm±25%	520ohm(Typ.)	500mA		G _{Hz} F _I	
	0.8			BLM18EG471SN1	470ohm±25%	550ohm(Typ.)	500mA		GHz Fi	
	0.8			BLM18EG601SN1	600ohm±25%	700ohm(Typ.)	500mA		G _{Hz} F _I	
	0.8	For High-	-GHz Band Noise p84	BLM18GG471SN1	470ohm±25%	1800ohm±30%	200mA		Hi-GHz	ReFlow
	0.85	- 3	p54	BLM21AG121SN1	120ohm±25%	-	200mA	Kit		ow ReFlow
			BLM21AG151SN1	150ohm±25%	-	200mA	Kit		ow ReFlow	
	0.85			BLM21AG221SN1	220ohm±25%	-	200mA	Kit		ow ReFlow
	0.85	For Gen	eral Signal Lines	BLM21AG331SN1	330ohm±25%	-	200mA	Kit		ow R _o Fiow
	0.85	Tor Control Orginal Emiss		BLM21AG471SN1	470ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21AG601SN1	600ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21AG102SN1	1000ohm±25%	-	200mA	Kit		ow R _{oFlow}
	0.85		p67	BLM21BD121SN1	120ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BD151SN1	150ohm±25%	-	200mA			ow ReFlow
	0.85			BLM21BD221SN1	220ohm±25%	_	200mA	Kit		ow ReFlow
	0.85			BLM21BD331SN1	330ohm±25%	-	200mA			ow ReFlow
	0.85			BLM21BD421SN1	420ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BD471SN1	470ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BD601SN1	600ohm±25%	_	200mA	Kit		ow ReFlow
	0.85			BLM21BD751SN1	750ohm±25%	-	200mA			ow ReFlow
	0.85			BLM21BD102SN1	1000ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BD152SN1	1500ohm±25%	-	200mA	Kit		ow ReFlow
0805	0.85			BLM21BD132SN1	1800ohm±25%	-	200mA	Kit		ow ReFlow
5505	0.85	For High S	Speed Signal Lines	BLM21BD1823N1	2200ohm±25%	-	200mA	Kit		ow ReFlow
	1.25	(Sharp Ir	mpedance Curve)	BLM21BD222TN1 BLM21BD222SN1	2250ohm(Typ.)	-	200mA	Kit		ow ReFlow
	1.25			BLM21BD272SN1	2700ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BB050SN1	50hm±25%	-	500mA	Kit		ow ReFlow
	0.85			BLM21BB600SN1	60ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BB750SN1	750hm±25%		200mA	Kit		ow ReFlow
	0.85			BLM21BB121SN1	120ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BB151SN1	1500hm±25%	-	200mA			ow ReFlow
	0.85			BLM21BB1313N1 BLM21BB201SN1	200ohm±25%	-	200mA	1		ow ReFlow
	0.85			BLM21BB221SN1	220ohm±25%	-	200mA	Kit		ow ReFlow
	0.85			BLM21BB331SN1	330ohm±25%	-	200mA	Kit		ow ReFlow
	0.85		-	BLM21BB3315N1	470ohm±25%	-	200mA	Kit		ow ReFlow
	0.85		p72	BLM21RK121SN1	120ohm±25%		200mA			ow ReFlow
	0.85		ρ/2 	BLM21RK121SN1 BLM21RK221SN1	2200hm±25%	-	200mA			ow ReFlow
	0.85	Ear Digit	al Interface Lines	BLM21RK221SN1 BLM21RK471SN1	470ohm±25%	-	200mA	+		ow ReFlow
	0.85	FOI DIGIT	al Interface Lines			-	200mA	 		ow ReFlow
	0.85			BLM21RK601SN1	600ohm±25%		200mA			ow ReFlow
	0.00			BLM21RK102SN1	1000ohm±25%	-		Continued on the C.		
							C	Continued on the fol	iowing pa	age. /I

C31E.pdf Mar.28,2011



Note

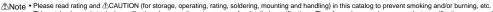
• Please read rating and ①CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

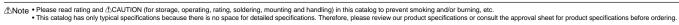
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

muRata



Size	Thickness Type				Imped	dance	Rated			≧1 _A	G _{Hz}	
Code (Inch)	(mm)	Туре		Part Number	at 100MHz/20°C	at 1GHz/20°C	Current	New	K is III	=	Hi _{GHz} Flow R _e F	low
	0.85	р3	36	BLM21PG220SN1	22ohm±25%	-	6000mA		Kit	≧3 A	Flow Ref	low
	0.85			BLM21PG300SN1	30ohm(Typ.)	-	3000mA	1	Kit	≧3 A	Flow Ref	low
0005	0.85	For Dower Lines		BLM21PG600SN1	60ohm±25%	-	3000mA	1	Kit	≧3 A	Flow Ref	low
0805	0.85	For Power Lines		BLM21PG121SN1	120ohm±25%	-	3000mA		Kit	≧3 A	Flow Ref	low
	0.85			BLM21PG221SN1	220ohm±25%	-	2000mA	1	Kit	≧1a	Flow Ref	Flow
	0.85			BLM21PG331SN1	330ohm±25%	-	1500mA		Kit	≧1a	Flow Ref	Flow
	1.1	р3	38	BLM31PG330SN1	33ohm±25%	-	6000mA	1	Kit	≧3 A	Flow Ref	low
	1.1			BLM31PG500SN1	50ohm(Typ.)	-	3000mA		Kit	≧3 A	Flow Ref	low
1206	1.1	For Power Lines		BLM31PG121SN1	120ohm±25%	-	3000mA		Kit	≧3 A	Flow Ref	Flow
	1.1			BLM31PG391SN1	390ohm±25%	-	2000mA		Kit	≧1a	Flow Ref	=
	1.1			BLM31PG601SN1	600ohm±25%	-	1500mA		Kit		Flow Ref	
	1.6	p4	10	BLM41PG600SN1	60ohm(Typ.)	-	6000mA		Kit	≧За	Flow Ref	low
	1.6			BLM41PG750SN1	75ohm(Typ.)	-	3000mA	1	Kit	≧3a	Flow Ref	
1806	1.6	For Power Lines		BLM41PG181SN1	180ohm±25%	-	3000mA		Kit		Flow Ref	low
	1.6			BLM41PG471SN1	470ohm±25%	-	2000mA		Kit		Flow Ref	low
	1.6			BLM41PG102SN1	1000ohm±25%	-	1500mA	1	Kit	≧1a	Flow Ref	low
	0.5	p8	35	BLA2AAG121SN4	120ohm±25%	-	100mA				ReF	
	0.5	For General Signal Lines		BLA2AAG221SN4	220ohm±25%	-	50mA				Ref	
	0.5	i di General Signal Lines		BLA2AAG601SN4	600ohm±25%	-	50mA				R₀F	
	0.5			BLA2AAG102SN4	1000ohm±25%	-	50mA				R₀F	
	0.5	p8	35	BLA2ABB100SN4	10ohm±25%	-	200mA				R₀F	
	0.5			BLA2ABB220SN4	22ohm±25%	-	200mA				R₀F	
	0.5			BLA2ABB470SN4	47ohm±25%	-	200mA				R₀f	
0804	0.5			BLA2ABB121SN4	120ohm±25%	-	50mA				Ref	
	0.5			BLA2ABB221SN4	220ohm±25%	-	50mA				R₀F	
	0.5	For High Speed Signal Lines		BLA2ABD750SN4	75ohm±25%	-	200mA				R₀F	
	0.5			BLA2ABD121SN4	120ohm±25%	-	200mA				Ref	
	0.5			BLA2ABD221SN4	220ohm±25%	-	100mA				R₀r	
	0.5			BLA2ABD471SN4	470ohm±25%	-	100mA				R₀F	_
	0.5		_	BLA2ABD601SN4	600ohm±25%	-	100mA				Ref	=
	0.5		_	BLA2ABD102SN4	1000ohm±25%	-	50mA				Ref	=
	0.8	p8		BLA31AG300SN4	30ohm±25%	-	200mA				Flow Ref	_
	0.8			BLA31AG600SN4	60ohm±25%	-	200mA				Flow Ref	=
	8.0	For General Signal Lines	-	BLA31AG121SN4	120ohm±25%	-	150mA				Flow Ref	=
	0.8	2. 20a. 2.ga. 2.1100		BLA31AG221SN4	220ohm±25%	-	150mA				Flow Ref	_
	0.8		_	BLA31AG601SN4	600ohm±25%	-	100mA				Flow Ref	=
1206	0.8		_	BLA31AG102SN4	1000ohm±25%	-	50mA				Flow Ref	=
	0.8	p8		BLA31BD121SN4	120ohm±25%	-	150mA				Flow Ref	=
	0.8			BLA31BD221SN4	220ohm±25%	-	150mA				Flow Ref	=
	0.8	For High Speed Signal Lines	_	BLA31BD471SN4	470ohm±25%	-	100mA				Flow Ref	=
	0.8		-	BLA31BD601SN4	600ohm±25%	-	100mA				Flow Ref	=
	0.8			BLA31BD102SN4	1000ohm±25%	-	50mA				Flow Ref	Flow



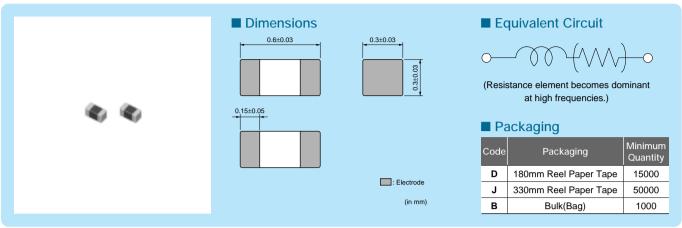




BLM03AX Series (0201 Size)



High Spec Ferrite Bead Ultra low dc resistance and wide impedance line up. Fit for both power lines and signal lines.



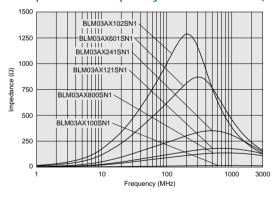
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

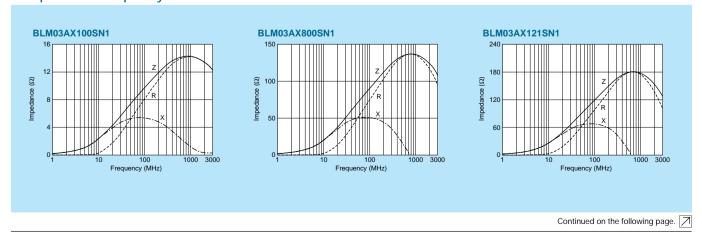
	Trated value (E. paekaging edue)									
Part I	Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range					
BLM03A	X100SN1□	10ohm(Typ.)	1000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A				
BLM03A	X800SN1□	80ohm±25%	500mA	0.18ohm max.	-55°C to +125°C	Kit				
BLM03A	X121SN1□	120ohm±25%	450mA	0.23ohm max.	-55°C to +125°C	Kit				
BLM03A	X241SN1□	240ohm±25%	350mA	0.38ohm max.	-55°C to +125°C	Kit				
BLM03A	X601SN1□	600ohm±25%	250mA	0.85ohm max.	-55°C to +125°C	Kit				
BLM03A	X102SN1□	1000ohm±25%	200mA	1.25ohm max.	-55°C to +125°C	Kit				

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



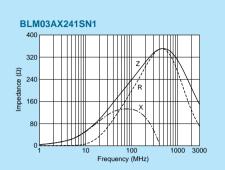
■ Impedance-Frequency Characteristics

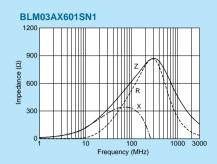


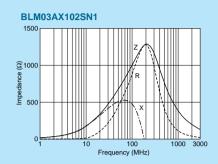
Note • Please read rating and CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

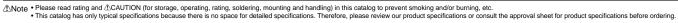
This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.











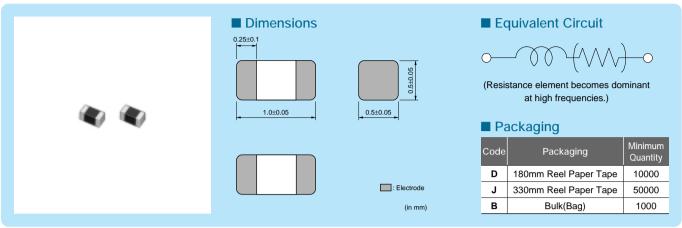
muRata

C31E.pdf

BLM15AX Series (0402 Size)



High Spec Ferrite Bead Ultra low dc resistance and wide impedance line up. Fit for both power lines and signal lines.



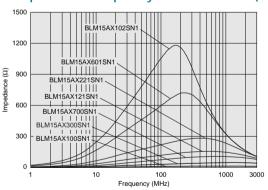
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

- Hattor Value (E. Paellaging Code)									
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range					
BLM15AX100SN1□	10ohm(Typ.)	1740mA	0.015ohm max.	-55°C to +125°C	Kit ≧1A				
BLM15AX300SN1□	30ohm±25%	1100mA	0.06ohm max.	-55°C to +125°C	New Kit ≧1A				
BLM15AX700SN1□	70ohm±25%	780mA	0.1ohm max.	-55°C to +125°C	Kit				
BLM15AX121SN1□	120ohm±25%	680mA	0.13ohm max.	-55°C to +125°C	Kit				
BLM15AX221SN1□	220ohm±25%	580mA	0.18ohm max.	-55°C to +125°C	Kit				
BLM15AX601SN1□	600ohm±25%	420mA	0.34ohm max.	-55°C to +125°C	Kit				
BLM15AX102SN1□	1000ohm±25%	350mA	0.49ohm max.	-55°C to +125°C	Kit				

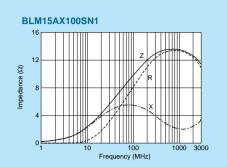
Number of Circuits: 1

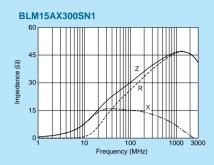
■ Impedance-Frequency Characteristics (Main Items)

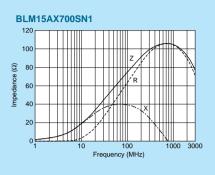


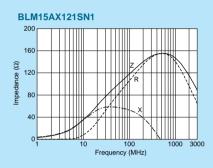


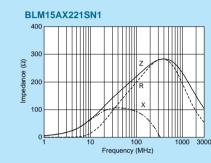


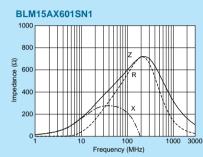


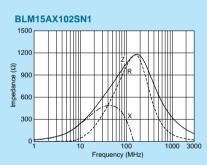












muRata

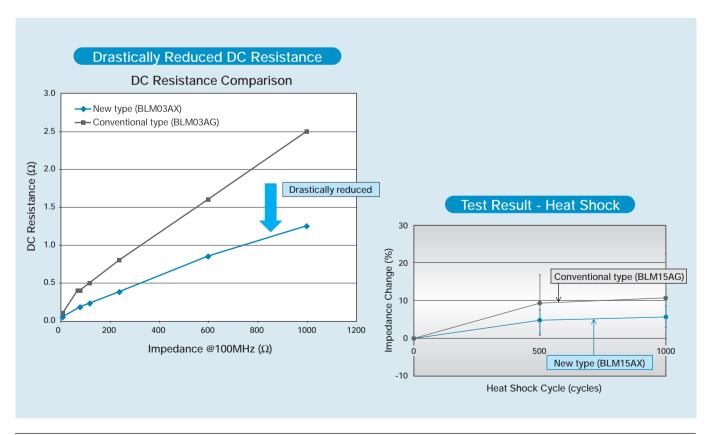
Excellent for Both of Signal and Power Lines! Multi Function Chip Ferrite Bead BLM□□AX Series

Feature

- •1/2 DC resistance than conventional type by latest technology New ferrite material Optimum ferrite firing condition Fine piling technology Advanced coil pattern design technology
- •Improved stability of performance at heat shock
- •Wide line-up from 10 to 1000ohm(@100MHz) useful for signal line

Advantage

- High Rated Current Good for Miniaturize of high power equipment
- Lower Voltage down at Ferrite bead Good for Battery driven equipment by saving running voltage margin
- Higher Reliability



Note • Please read rating and

CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

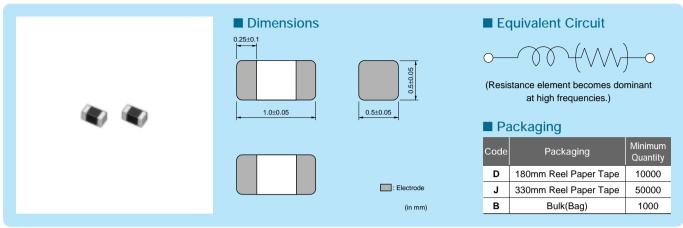
BLM15E_{Series} (0402 Size)







For GHz band noise, also capable to large current.



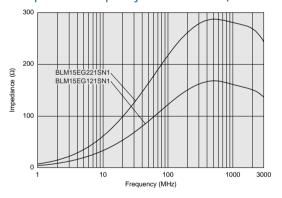
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

the state of the s						
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15EG121SN1□	120ohm±25%	145ohm(Typ.)	1500mA	0.095ohm max.	-55°C to +125°C	Kit ≧1A
BLM15EG221SN1□	220ohm±25%	270ohm(Typ.)	700mA	0.28ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

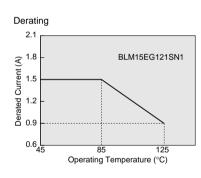
■ Impedance-Frequency Characteristics (Main Items)

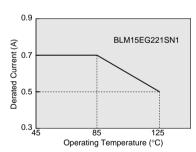


■ Notice (Rating)

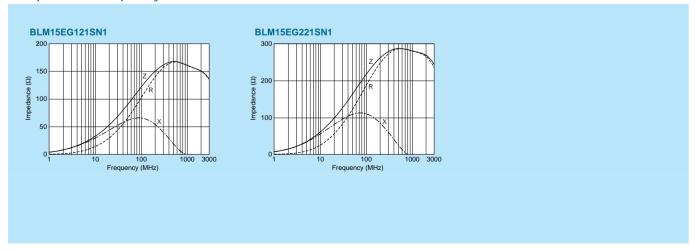
In operating temperature exceeding +85°C, derating of current is necessary for BLM15E series.

Please apply the derating curve shown in chart according to the operating temperature.





■ Impedance-Frequency Characteristics



Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BLM18E_{Series} (0603 Size)

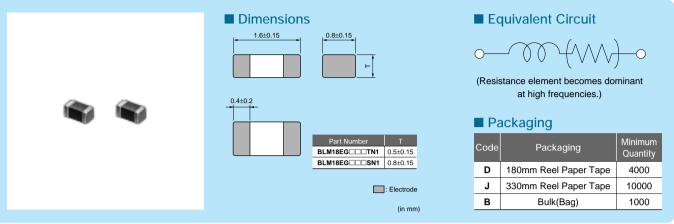








For GHz band noise, also capable to large current.

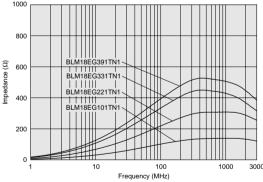


Refer to pages from p.91 to p.94 for mounting information.

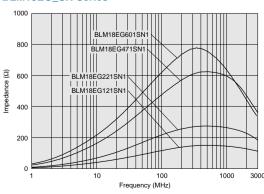
■ Rated Value (□: packaging code)

	rtated value (E. paetaging ecoe)									
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range					
BLM18EG101TN1□	100ohm±25%	140ohm(Typ.)	2000mA	0.045ohm max.	-55°C to +125°C	Kit ≧1A				
BLM18EG121SN1□	120ohm±25%	145ohm(Typ.)	2000mA	0.04ohm max.	-55°C to +125°C	Kit ≧1A				
BLM18EG221SN1□	220ohm±25%	260ohm(Typ.)	2000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A				
BLM18EG221TN1□	220ohm±25%	300ohm(Typ.)	1000mA	0.15ohm max.	-55°C to +125°C	Kit ≧1A				
BLM18EG331TN1□	330ohm±25%	450ohm(Typ.)	500mA	0.21ohm max.	-55°C to +125°C	Kit				
BLM18EG391TN1□	390ohm±25%	520ohm(Typ.)	500mA	0.3ohm max.	-55°C to +125°C	Kit				
BLM18EG471SN1□	470ohm±25%	550ohm(Typ.)	500mA	0.21ohm max.	-55°C to +125°C	Kit				
BLM18EG601SN1□	600ohm±25%	700ohm(Typ.)	500mA	0.35ohm max.	-55°C to +125°C	Kit				

■ Impedance-Frequency Characteristics (Main Items) BLM18EG_TN Series



BLM18EG_SN Series

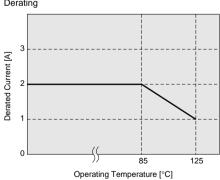


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM18EG series.

Please apply the derating curve shown in chart according to the operating temperature.



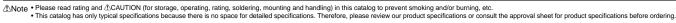


Continued on the following page.

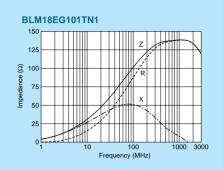


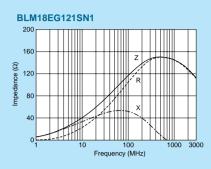
C31E.pdf Mar.28,2011

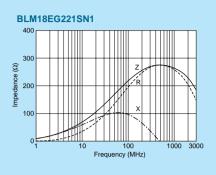


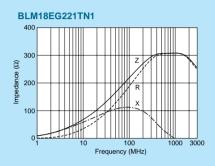


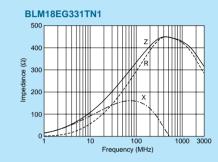


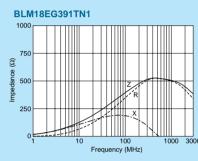


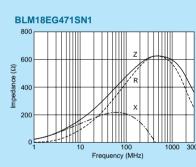


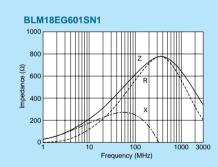










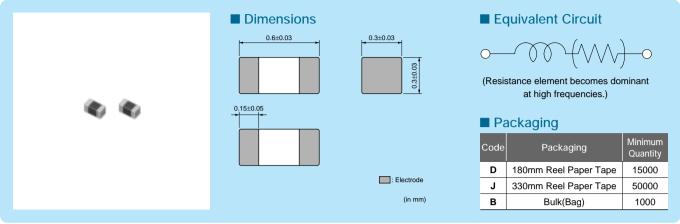


BLM03P_{Series} (0201 Size)



0201 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines.



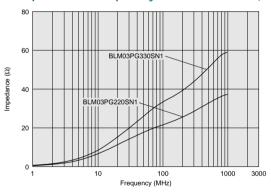
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

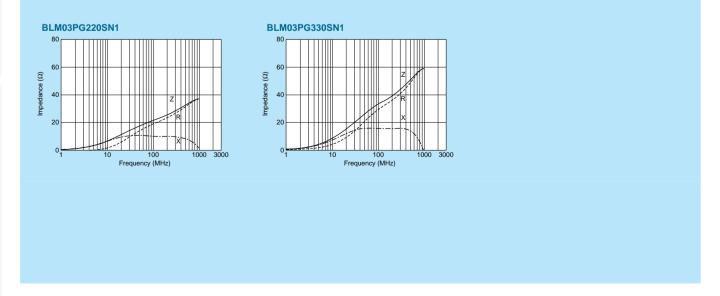
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM03PG220SN1□	22ohm±25%	900mA	0.065ohm max.	-55°C to +125°C	Kit
BLM03PG330SN1□	33ohm±25%	750mA	0.090ohm max.	-55°C to +125°C	Kit

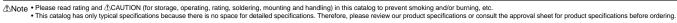
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics





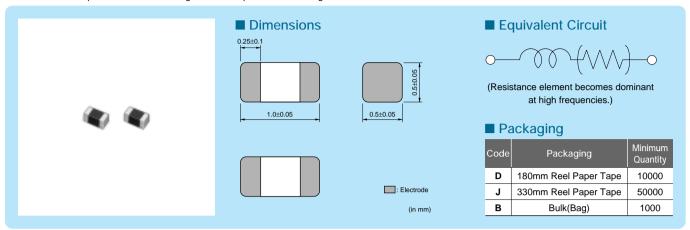
muRata

BLM15PX Series (0402 Size)



Improved DC resistance, meet larger current.

*Please refer to the products which are designed for both power lines and signal lines.



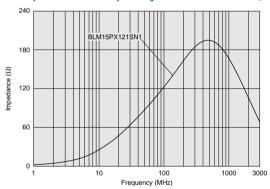
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15PX121SN1□	120ohm±25%	1800mA	0.06ohm max.	-55°C to +125°C	New Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

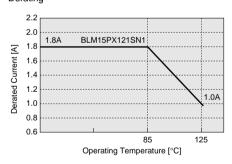


■ Notice (Rating)

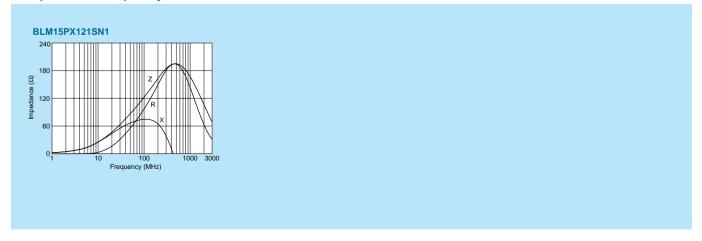
In operating temperature exceeding +85°C, derating of current is necessary for BLM15PX series.

Please apply the derating curve shown in chart according to the operating temperature.

Derating



■ Impedance-Frequency Characteristics



Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

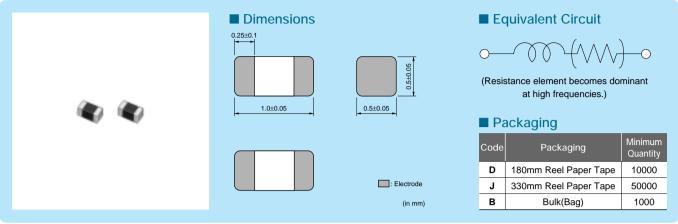


BLM15PG/BLM15PD_{Series} (0402 Size)



0402 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines.



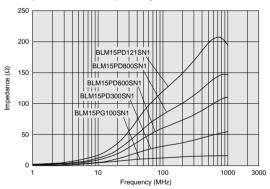
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

<u> </u>	0 0 ,				
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15PG100SN1□	10ohm(Typ.)	1000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM15PD300SN1□	30ohm±25%	2200mA	0.035ohm max.	-55°C to +125°C	Kit ≧1A
BLM15PD600SN1□	60ohm±25%	1700mA	0.06ohm max.	-55°C to +125°C	Kit ≧1A
BLM15PD800SN1□	80ohm±25%	1500mA	0.07ohm max.	-55°C to +125°C	Kit ≧1A
BLM15PD121SN1□	120ohm±25%	1300mA	0.09ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

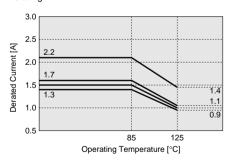


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM15PD series.

Please apply the derating curve shown in chart according to the operating temperature.

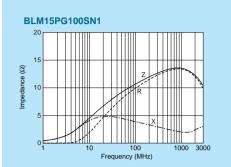
Derating

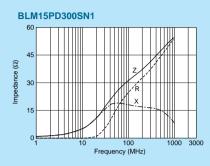


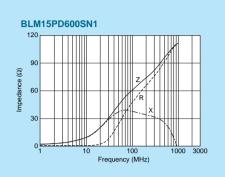


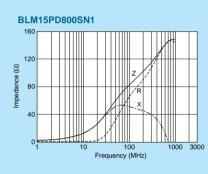


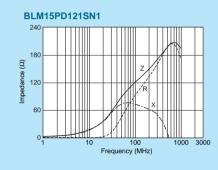
BLM15PG/BLM15PD Series (0402 Size)











muRata

C31E.pdf

BLM18P_{Series} (0603 Size)

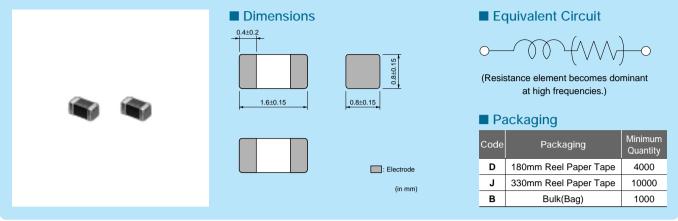






0603 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines.



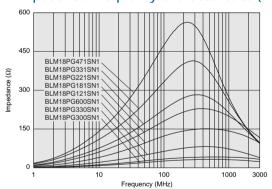
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18PG300SN1□	30ohm(Typ.)	1000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM18PG330SN1□	33ohm±25%	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM18PG600SN1□	60ohm(Typ.)	500mA	0.10ohm max.	-55°C to +125°C	Kit
BLM18PG121SN1□	120ohm±25%	2000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM18PG181SN1□	180ohm±25%	1500mA	0.09ohm max.	-55°C to +125°C	Kit ≧1A
BLM18PG221SN1□	220ohm±25%	1400mA	0.10ohm max.	-55°C to +125°C	Kit ≧1A
BLM18PG331SN1□	330ohm±25%	1200mA	0.15ohm max.	-55°C to +125°C	Kit ≧1A
BLM18PG471SN1□	470ohm±25%	1000mA	0.20ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

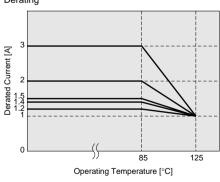


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM18PG series.

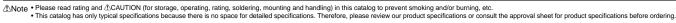
Please apply the derating curve shown in chart according to the operating temperature.

Derating

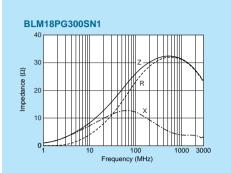


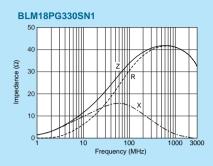


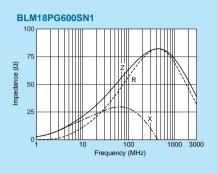


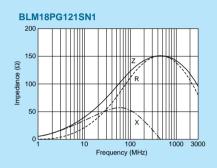


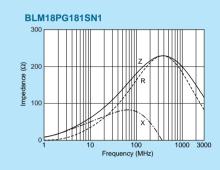
BLM18P Series (0603 Size)

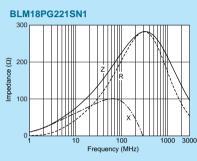


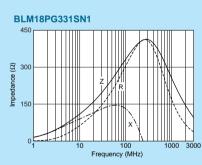


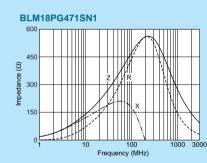












Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BLM21P_{Series} (0805 Size)

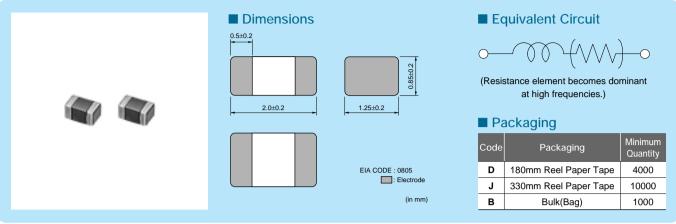






0805 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines. *Please refer to BLM18K for downsizing.



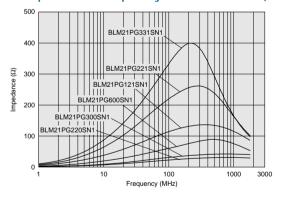
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM21PG220SN1□	22ohm±25%	6000mA	0.01ohm max.	-55°C to +125°C	Kit ≧3A
BLM21PG300SN1□	30ohm(Typ.)	3000mA	0.015ohm max.	-55°C to +125°C	Kit ≧3A
BLM21PG600SN1□	60ohm±25%	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM21PG121SN1□	120ohm±25%	3000mA	0.03ohm max.	-55°C to +125°C	Kit ≧3A
BLM21PG221SN1□	220ohm±25%	2000mA	0.050ohm max.	-55°C to +125°C	Kit ≧1A
BLM21PG331SN1□	330ohm±25%	1500mA	0.09ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

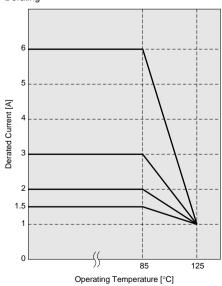


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM21PG series.

Please apply the derating curve shown in chart according to the operating temperature.

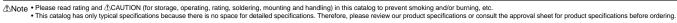
Derating



Continued on the following page.



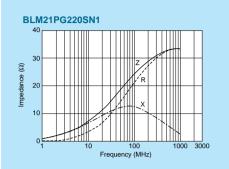


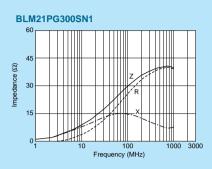


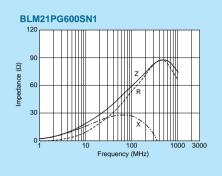


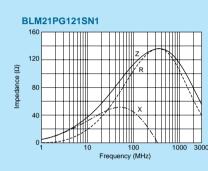
36

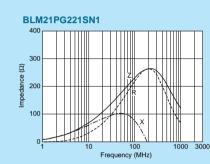
BLM21P Series (0805 Size)

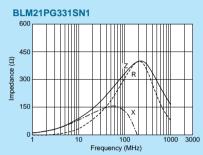












muRata

C31E.pdf

BLM31P_{Series} (1206 Size)

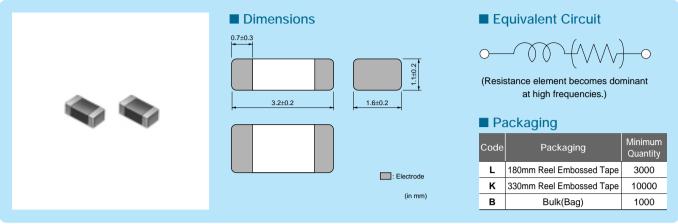






1206 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines.



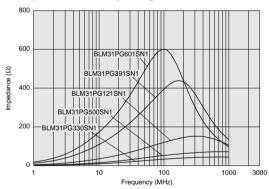
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM31PG330SN1□	33ohm±25%	6000mA	0.01ohm max.	-55°C to +125°C	Kit ≧3A
BLM31PG500SN1□	50ohm(Typ.)	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM31PG121SN1□	120ohm±25%	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM31PG391SN1□	390ohm±25%	2000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM31PG601SN1□	600ohm±25%	1500mA	0.09ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

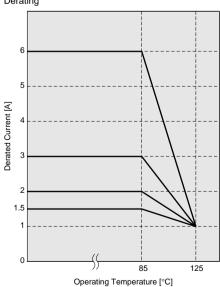


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM31PG series.

Please apply the derating curve shown in chart according to the operating temperature.

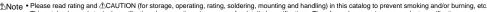
Derating

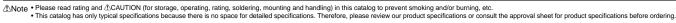


Continued on the following page.

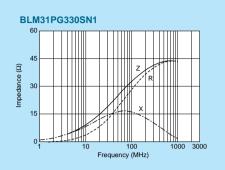


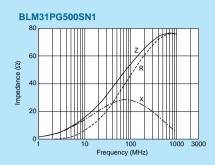
C31E.pdf Mar.28,2011

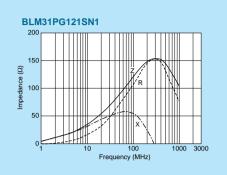


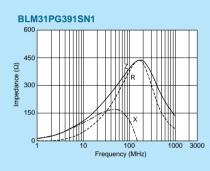


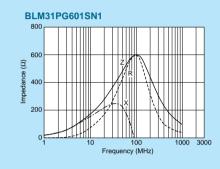
BLM31P Series (1206 Size)

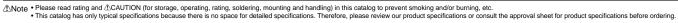














BLM41P_{Series} (1806 Size)

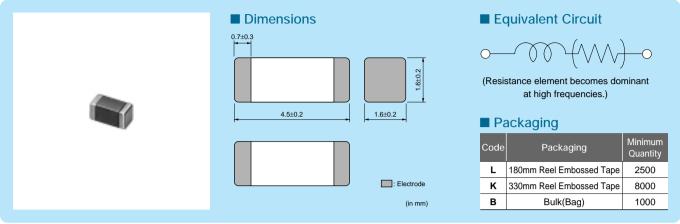






1806 size for power lines.

*Please refer to the products which are designed for both power lines and signal lines.



Refer to pages from p.91 to p.94 for mounting information.

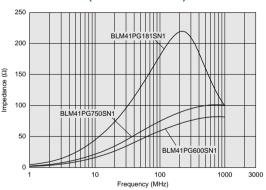
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM41PG600SN1□	60ohm(Typ.)	6000mA	0.01ohm max.	-55°C to +125°C	Kit ≧3A
BLM41PG750SN1□	75ohm(Typ.)	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM41PG181SN1□	180ohm±25%	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM41PG471SN1□	470ohm±25%	2000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM41PG102SN1□	1000ohm±25%	1500mA	0.09ohm max.	-55°C to +125°C	Kit ≧1A

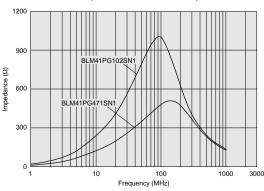
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

BLM41PG Series (60ohm to 180ohm)



BLM41PG Series (470ohm to 1000ohm)

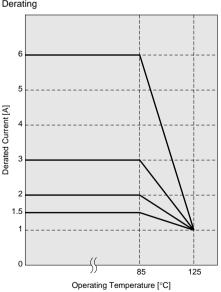


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM41PG series.

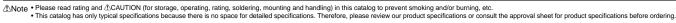
Please apply the derating curve shown in chart according to the operating temperature.

Derating



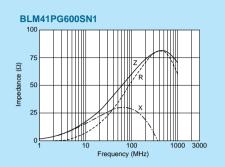


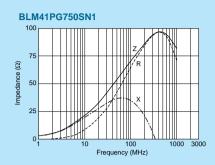


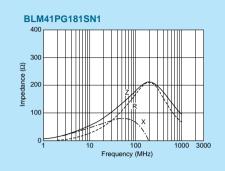


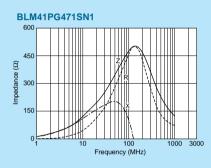


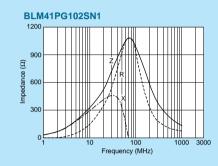
BLM41P Series (1806 Size)











muRata

BLM18K Series (0603 Size)

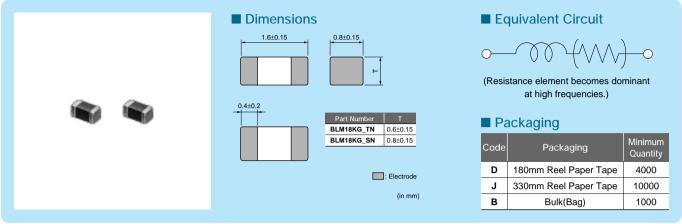






6A Max, high performance type for power lines up to 600ohm.

*Please refer to the products which are designed for both power lines and signal lines.



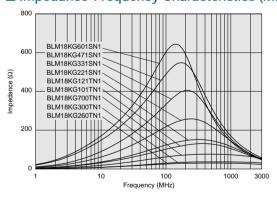
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18KG260TN1□	26ohm±25%	6000mA	0.007ohm max.	-55°C to +125°C	Kit ≧3A
BLM18KG300TN1□	30ohm±25%	5000mA	0.010ohm max.	-55°C to +125°C	Kit ≧3A
BLM18KG700TN1□	70ohm±25%	3500mA	0.022ohm max.	-55°C to +125°C	Kit ≧3A
BLM18KG101TN1□	100ohm±25%	3000mA	0.030ohm max.	-55°C to +125°C	Kit ≧3A
BLM18KG121TN1□	120ohm±25%	3000mA	0.030ohm max.	-55°C to +125°C	Kit ≧3A
BLM18KG221SN1□	220ohm±25%	2200mA	0.050ohm max.	-55°C to +125°C	Kit ≧1A
BLM18KG331SN1□	330ohm±25%	1700mA	0.080ohm max.	-55°C to +125°C	Kit ≧1A
BLM18KG471SN1□	470ohm±25%	1500mA	0.130ohm max.	-55°C to +125°C	Kit ≧1A
BLM18KG601SN1□	600ohm±25%	1300mA	0.150ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

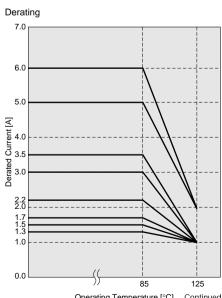
■ Impedance-Frequency Characteristics (Main Items)



■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM18KG series.

Please apply the derating curve shown in chart according to the operating temperature.



Operating Temperature [°C]

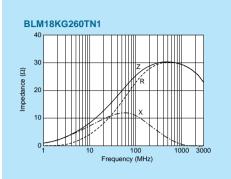


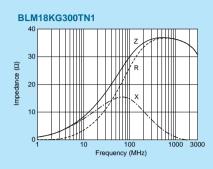


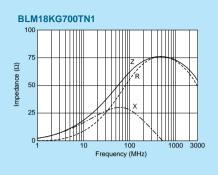


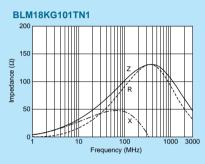


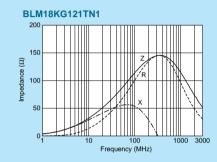
BLM18K Series (0603 Size)

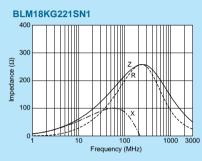


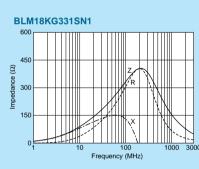


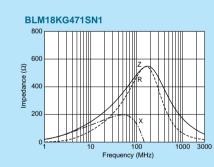


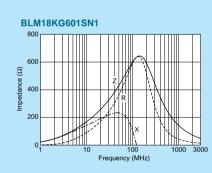












muRata

C31E.pdf

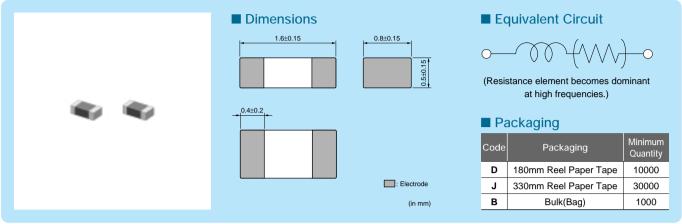
BLM18S_{Series} (0603 Size)







6A Max, high performance type for power lines. *Please refer to the products which are designed for both power lines and signal lines.



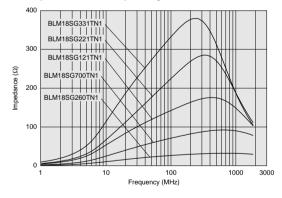
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18SG260TN1□	26ohm±25%	6000mA	0.007ohm max.	-55°C to +125°C	Kit ≧3A
BLM18SG700TN1□	70ohm±25%	4000mA	0.020ohm max.	-55°C to +125°C	Kit ≧3A
BLM18SG121TN1□	120ohm±25%	3000mA	0.025ohm max.	-55°C to +125°C	Kit ≧3A
BLM18SG221TN1□	220ohm±25%	2500mA	0.040ohm max.	-55°C to +125°C	Kit ≧1A
BLM18SG331TN1□	330ohm±25%	1500mA	0.070ohm max.	-55°C to +125°C	Kit ≧1A

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

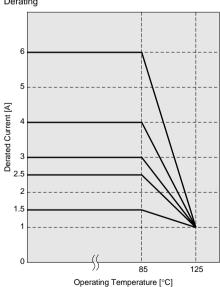


■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for BLM18SG series.

Please apply the derating curve shown in chart according to the operating temperature.

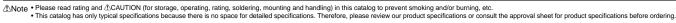
Derating



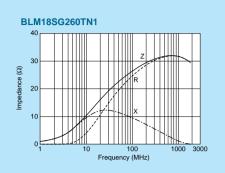
Continued on the following page.

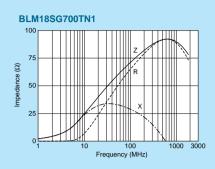
C31E.pdf Mar.28,2011

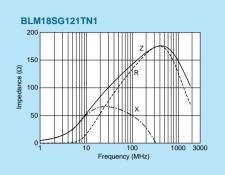


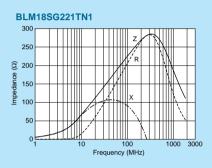


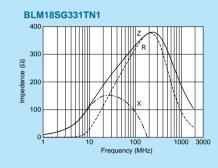
BLM18S Series (0603 Size)











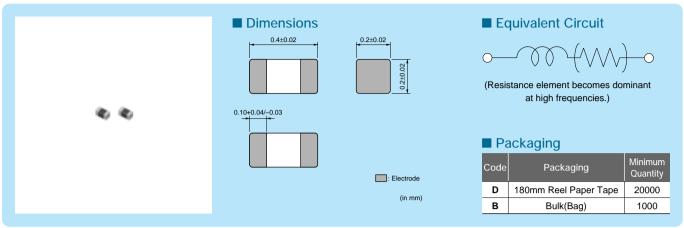
muRata

C31E.pdf Mar.28,2011

BLMO2A Series (01005 Size)



Ultra small 01005 size for general signal lines.



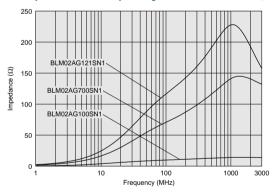
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

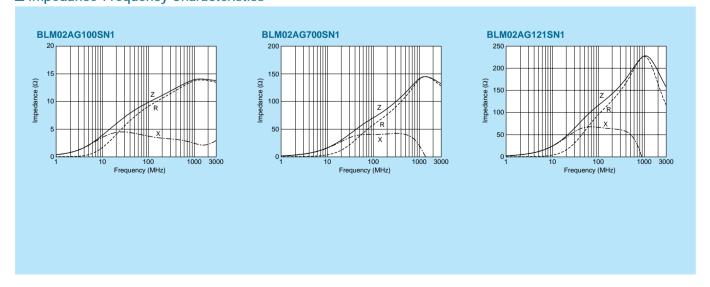
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM02AG100SN1□	10ohm(Typ.)	500mA	0.1ohm max.	-55°C to +125°C	Kit
BLM02AG700SN1□	70ohm±25%	250mA	0.5ohm max.	-55°C to +125°C	Kit
BLM02AG121SN1□	120ohm±25%	200mA	0.8ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics



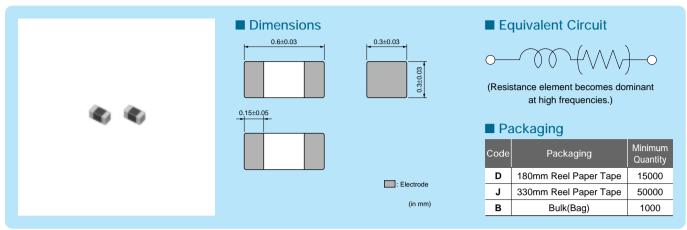


Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

BLM03AG_{Series} (0201 Size)



0201 size for general signal lines.



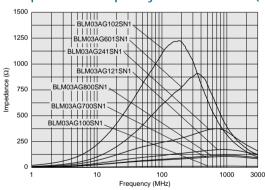
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

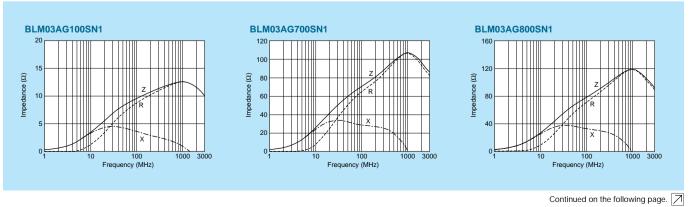
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM03AG100SN1□	10ohm(Typ.)	500mA	0.1ohm max.	-55°C to +125°C	Kit
BLM03AG700SN1□	70ohm(Typ.)	200mA	0.4ohm max.	-55°C to +125°C	Kit
BLM03AG800SN1□	80ohm±25%	200mA	0.4ohm max.	-55°C to +125°C	Kit
BLM03AG121SN1□	120ohm±25%	200mA	0.5ohm max.	-55°C to +125°C	Kit
BLM03AG241SN1□	240ohm±25%	200mA	0.8ohm max.	-55°C to +125°C	Kit
BLM03AG601SN1□	600ohm±25%	100mA	1.5ohm max.	-55°C to +125°C	Kit
BLM03AG102SN1□	1000ohm±25%	100mA	2.5ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

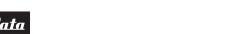


■ Impedance-Frequency Characteristics



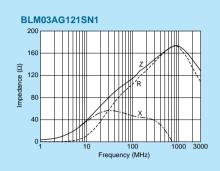
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before orde

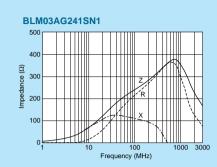


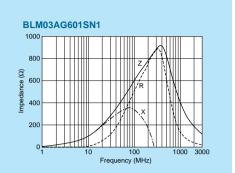


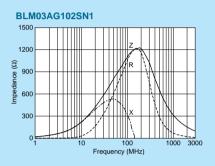


BLM03AG Series (0201 Size)





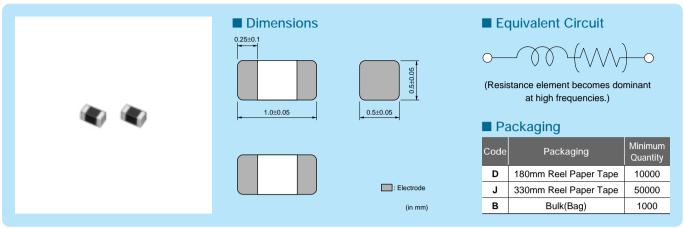




BLM15AG_SN Series (0402 Size)



0402 size for general signal lines.



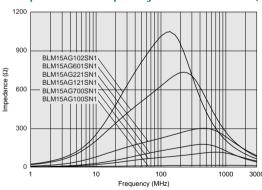
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

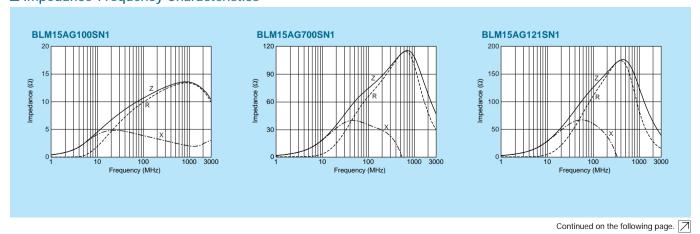
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15AG100SN1□	10ohm(Typ.)	1000mA	0.05ohm max.	-55°C to +125°C	Kit ≧1A
BLM15AG700SN1□	70ohm(Typ.)	500mA	0.15ohm max.	-55°C to +125°C	Kit
BLM15AG121SN1□	120ohm±25%	500mA	0.25ohm max.	-55°C to +125°C	Kit
BLM15AG221SN1□	220ohm±25%	300mA	0.35ohm max.	-55°C to +125°C	Kit
BLM15AG601SN1□	600ohm±25%	300mA	0.6ohm max.	-55°C to +125°C	Kit
BLM15AG102SN1□	1000ohm±25%	200mA	1.0ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics



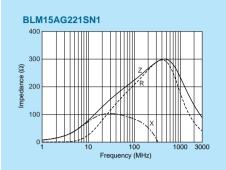
Note • Please read rating and

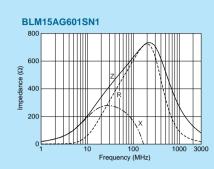
CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

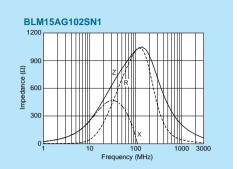
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before order.



BLM15AG SN Series (0402 Size)

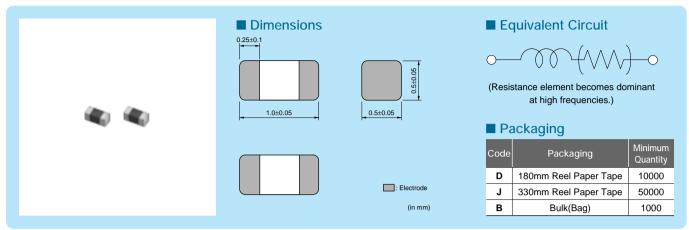






BLM15AG_AN Series Gold Plating (0402 Size)

Au plating electrode for wire bonding mount.



Refer to pages from p.91 to p.94 for mounting information.

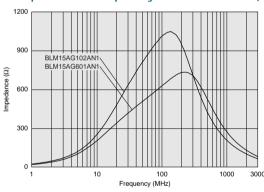
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLM15AG601AN1□	600ohm±25%	300mA	0.6ohm max.	-55°C to +125°C
BLM15AG102AN1□	1000ohm±25%	200mA	1.0ohm max.	-55°C to +125°C

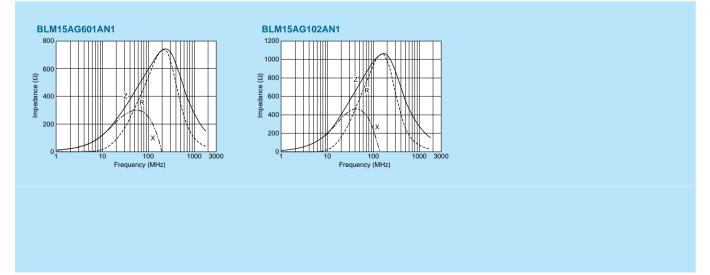
Number of Circuits: 1

This product is Au plating version designed for wire bonding mount. Be sure that this product is not designed for solder mounting.

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics



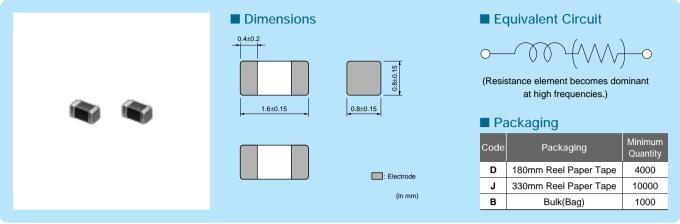
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BLM18A Series (0603 Size)



0603 size for general signal lines. *Please refer to BLM15A for downsizing.



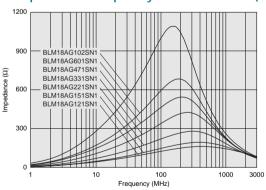
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

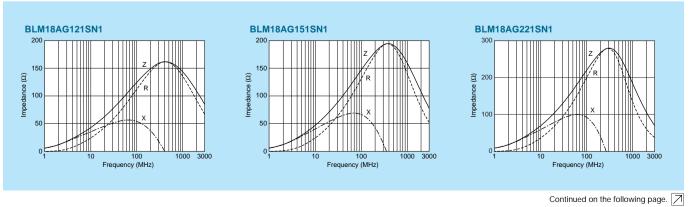
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range		
BLM18AG121SN1□	120ohm±25%	500mA	0.18ohm max.	-55°C to +125°C	Kit	
BLM18AG151SN1□	150ohm±25%	500mA	0.25ohm max.	-55°C to +125°C	Kit	
BLM18AG221SN1□	220ohm±25%	500mA	0.25ohm max.	-55°C to +125°C	Kit	
BLM18AG331SN1□	330ohm±25%	500mA	0.30ohm max.	-55°C to +125°C	Kit	
BLM18AG471SN1□	470ohm±25%	500mA	0.35ohm max.	-55°C to +125°C	Kit	
BLM18AG601SN1□	600ohm±25%	500mA	0.38ohm max.	-55°C to +125°C	Kit	
BLM18AG102SN1□	1000ohm±25%	400mA	0.50ohm max.	-55°C to +125°C	Kit	

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics

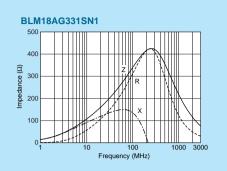


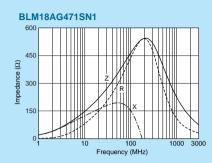
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

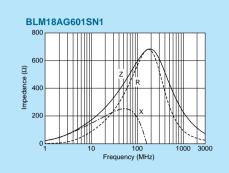


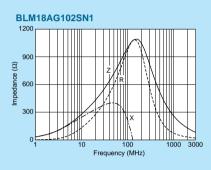


BLM18A Series (0603 Size)







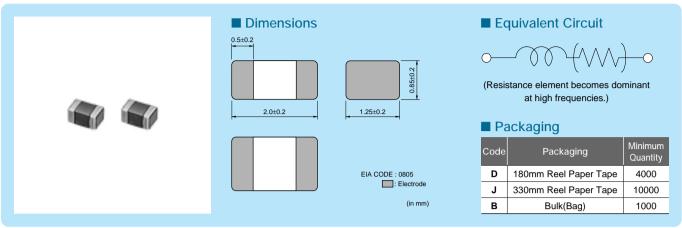


Chip Common Mode Choke Coil

BLM21A Series (0805 Size)



0805 size for general signal lines.



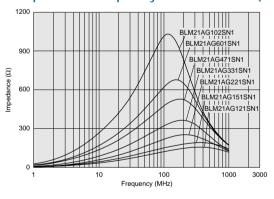
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

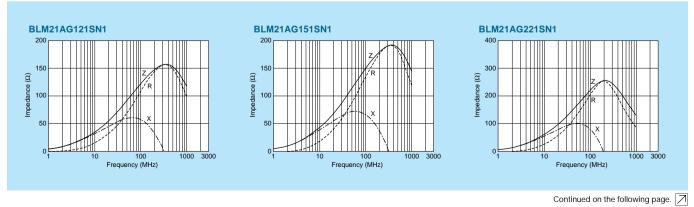
_ ::a::ou ::a::uo (_:. puo::ag::.g oouo)						
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range		
BLM21AG121SN1□	120ohm±25%	200mA	0.15ohm max.	-55°C to +125°C	Kit	
BLM21AG151SN1□	150ohm±25%	200mA	0.15ohm max.	-55°C to +125°C	Kit	
BLM21AG221SN1□	220ohm±25%	200mA	0.20ohm max.	-55°C to +125°C	Kit	
BLM21AG331SN1□	330ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit	
BLM21AG471SN1□	470ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit	
BLM21AG601SN1□	600ohm±25%	200mA	0.30ohm max.	-55°C to +125°C	Kit	
BLM21AG102SN1□	1000ohm±25%	200mA	0.45ohm max.	-55°C to +125°C	Kit	

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics

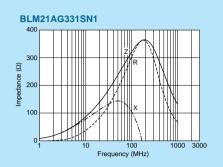


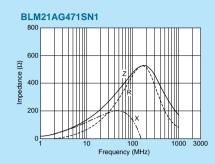
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

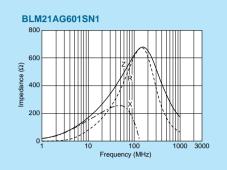


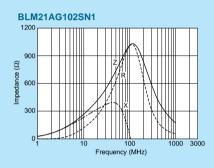
C31E.pdf







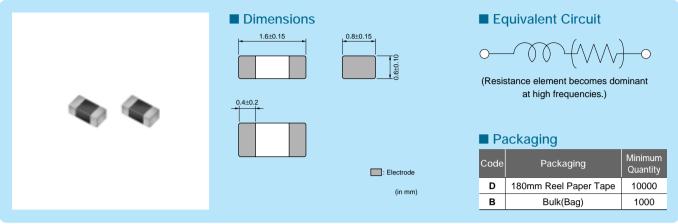




BLM18T_{Series} (0603 Size)



Thin 0603 size for general signal lines.



Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current DC Resistance		Operating Temperature Range
BLM18TG121TN1□	120ohm±25%	200mA	0.25ohm max.	-55°C to +125°C
BLM18TG221TN1□	220ohm±25%	200mA	0.30ohm max.	-55°C to +125°C
BLM18TG601TN1□	600ohm±25%	200mA	0.45ohm max.	-55°C to +125°C
BLM18TG102TN1□	1000ohm±25%	100mA	0.60ohm max.	-55°C to +125°C

Number of Circuits: 1

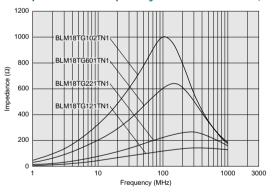
BLM18TG221TN1

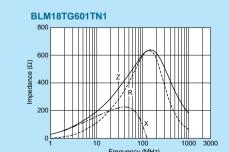
g 200

150

100

■ Impedance-Frequency Characteristics (Main Items)

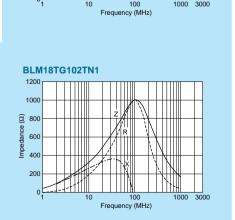






BLM18TG121TN1

(Ω)



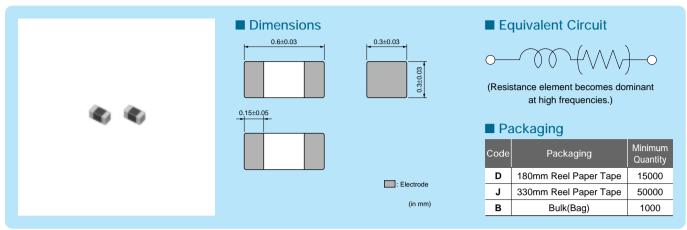


Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

BLM03B_{Series} (0201 Size)



0201 size for high speed signal lines.



Refer to pages from p.91 to p.94 for mounting information.

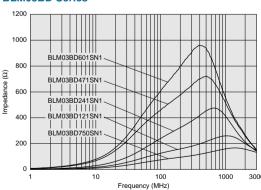
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM03BD750SN1□	75ohm±25%	300mA	0.4ohm max.	-55°C to +125°C	Kit
BLM03BD121SN1□	120ohm±25%	250mA	0.5ohm max.	-55°C to +125°C	Kit
BLM03BD241SN1□	240ohm±25%	200mA	0.8ohm max.	-55°C to +125°C	Kit
BLM03BD471SN1□	470ohm±25%	215mA	1.5ohm max.	-55°C to +125°C	Kit
BLM03BD601SN1□	600ohm±25%	200mA 1.7ohm max.		-55°C to +125°C	Kit
BLM03BB100SN1□	10ohm±25%	300mA	0.4ohm max.	-55°C to +125°C	Kit
BLM03BB220SN1□	22ohm±25%	200mA 0.5ohm max.		-55°C to +125°C	Kit
BLM03BB470SN1□	47ohm±25%	200mA	0.7ohm max.	-55°C to +125°C	Kit
BLM03BB750SN1□	75ohm±25%	200mA	1.0ohm max.	-55°C to +125°C	Kit
BLM03BB121SN1□	120ohm±25%	100mA	1.5ohm max.	-55°C to +125°C	Kit
BLM03BC330SN1□	33ohm±25%	150mA	0.85ohm max.	-55°C to +125°C	New Kit
BLM03BC560SN1□	56ohm±25%	100mA	1.05ohm max.	-55°C to +125°C	New Kit
BLM03BC800SN1□	80ohm±25%	100mA	1.40ohm max.	-55°C to +125°C	New Kit

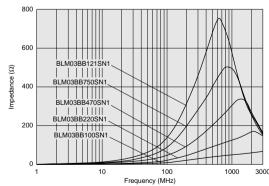
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

BLM03BD Series

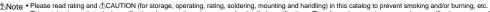


BLM03BB Series



Continued on the following page.





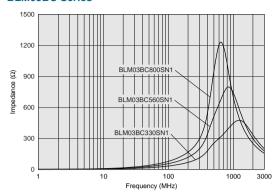
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



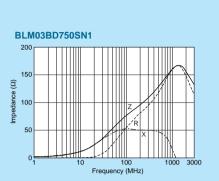
BLM03B Series (0201 Size)

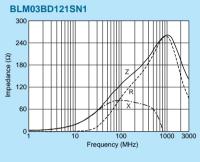
■ Impedance-Frequency Characteristics (Main Items)

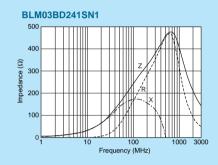
BLM03BC Series

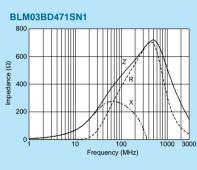


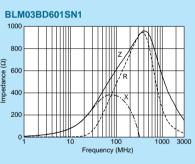
■ Impedance-Frequency Characteristics

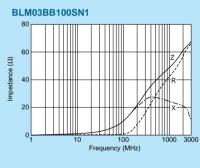


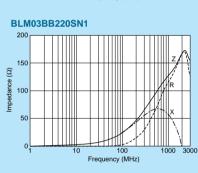


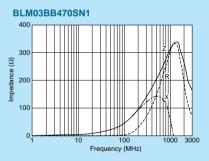


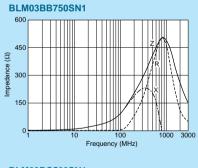


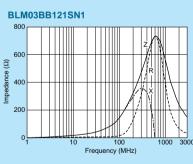


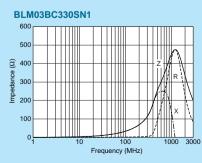


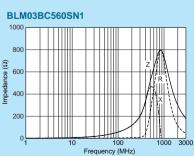


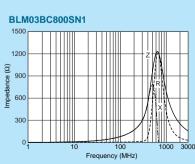








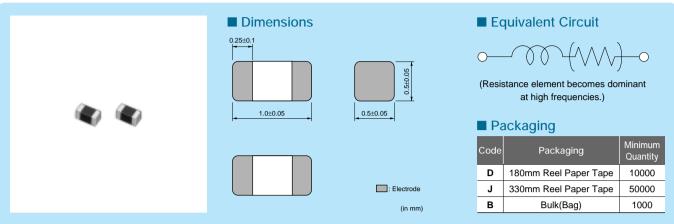




Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

BLM15B_{Series} (0402 Size)

0402 size for high speed signal lines.



Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15BD750SN1□	75ohm±25%	300mA	0.20ohm max.	-55°C to +125°C	Kit
BLM15BD121SN1□	120ohm±25%	300mA	0.30ohm max.	-55°C to +125°C	Kit
BLM15BD221SN1□	220ohm±25%	300mA	0.40ohm max.	-55°C to +125°C	Kit
BLM15BD471SN1□	470ohm±25%	200mA	0.60ohm max.	-55°C to +125°C	Kit
BLM15BD601SN1□	600ohm±25%	200mA	0.65ohm max.	-55°C to +125°C	Kit
BLM15BD102SN1□	1000ohm±25%	200mA	0.90ohm max.	-55°C to +125°C	Kit
BLM15BD182SN1□	1800ohm±25%	100mA	1.40ohm max.	-55°C to +125°C	Kit
BLM15BB050SN1□	5ohm±25%	500mA	0.08ohm max.	-55°C to +125°C	Kit
BLM15BB100SN1□	10ohm±25%	300mA	0.10ohm max.	-55°C to +125°C	Kit
BLM15BB220SN1□	22ohm±25%	300mA	0.20ohm max.	-55°C to +125°C	Kit
BLM15BB470SN1□	47ohm±25%	300mA	0.35ohm max.	-55°C to +125°C	Kit
BLM15BB750SN1□	75ohm±25%	300mA	0.40ohm max.	-55°C to +125°C	Kit
BLM15BB121SN1□	120ohm±25%	300mA	0.55ohm max.	-55°C to +125°C	Kit
BLM15BB221SN1□	220ohm±25%	200mA	0.80ohm max.	-55°C to +125°C	Kit
BLM15BC121SN1□	120ohm±25%	350mA	0.45ohm max.	-55°C to +125°C	Kit
BLM15BC241SN1□	240ohm±25%	250mA	0.70ohm max.	-55°C to +125°C	Kit
BLM15BA050SN1□	5ohm±25%	300mA	0.10ohm max.	-55°C to +125°C	Kit
BLM15BA100SN1□	10ohm±25%	300mA	0.20ohm max.	-55°C to +125°C	Kit
BLM15BA220SN1□	22ohm±25%	300mA	0.30ohm max.	-55°C to +125°C	Kit
BLM15BA330SN1□	33ohm±25%	300mA	0.40ohm max.	-55°C to +125°C	Kit
BLM15BA470SN1□	47ohm±25%	200mA	0.60ohm max.	-55°C to +125°C	Kit
BLM15BA750SN1	75ohm±25%	200mA	0.80ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

Continued on the following page.



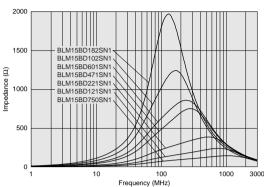


C31E.pdf

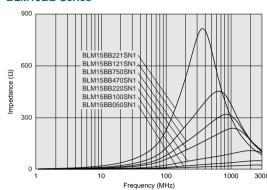
■ Impedance-Frequency Characteristics (Main Items)

BLM15BD Series

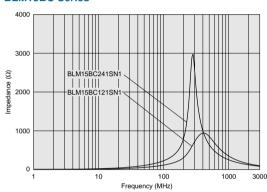
BLM15B Series (0402 Size)



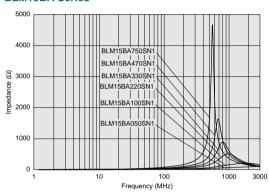
BLM15BB Series

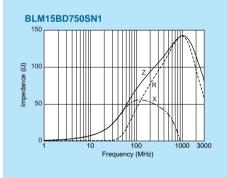


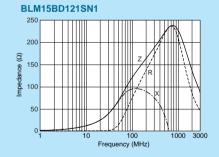
BLM15BC Series

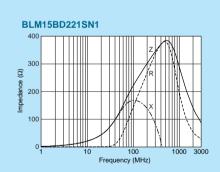


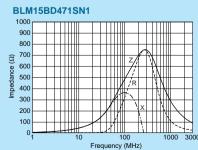
BLM15BA Series

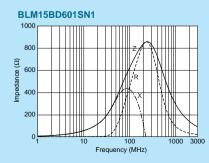


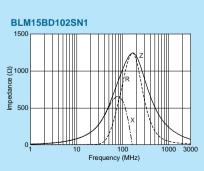




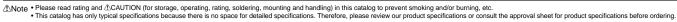




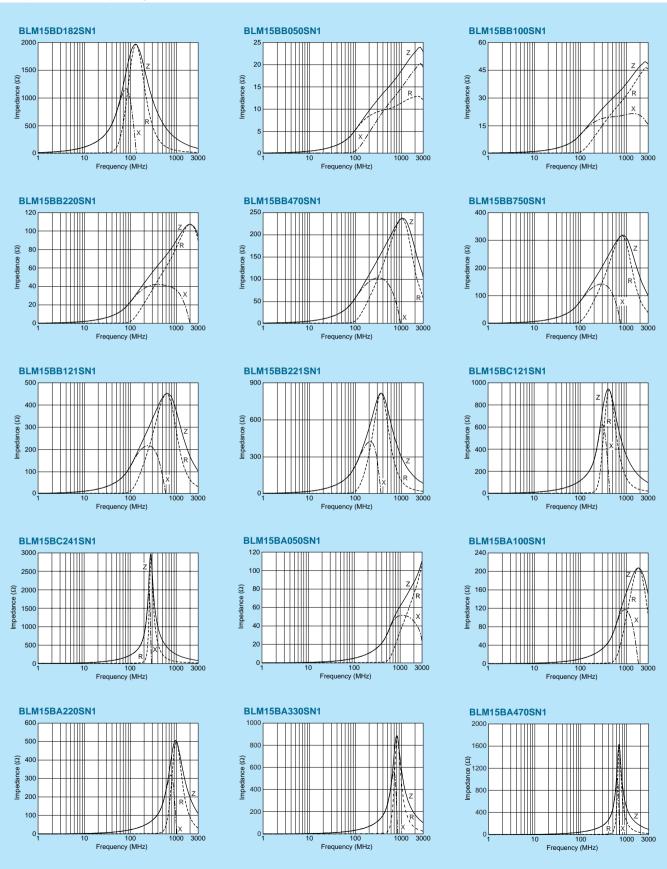




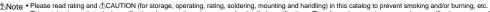
Continued on the following page.

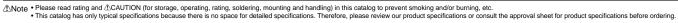




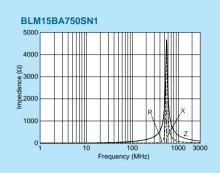










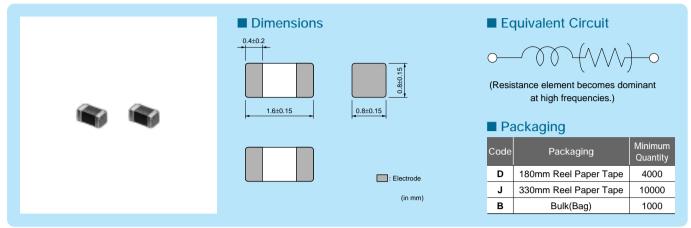




BLM 18B_{Series} (0603 Size)



0603 size for high speed signal lines. *Please refer to BLM15B for downsizing.



Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18BD470SN1□	47ohm±25%	500mA	0.30ohm max.	-55°C to +125°C	Kit
BLM18BD121SN1□	120ohm±25%	200mA	0.40ohm max.	-55°C to +125°C	Kit
BLM18BD151SN1□	150ohm±25%	200mA	0.40ohm max.	-55°C to +125°C	Kit
BLM18BD221SN1□	220ohm±25%	200mA	0.45ohm max.	-55°C to +125°C	Kit
BLM18BD331SN1□	330ohm±25%	200mA	0.50ohm max.	-55°C to +125°C	Kit
BLM18BD421SN1□	420ohm±25%	200mA	0.55ohm max.	-55°C to +125°C	Kit
BLM18BD471SN1□	470ohm±25%	200mA	0.55ohm max.	-55°C to +125°C	Kit
BLM18BD601SN1□	600ohm±25%	200mA	0.65ohm max.	-55°C to +125°C	Kit
BLM18BD102SN1□	1000ohm±25%	100mA	0.85ohm max.	-55°C to +125°C	Kit
BLM18BD152SN1□	1500ohm±25%	50mA	1.20ohm max.	-55°C to +125°C	Kit
BLM18BD182SN1□	1800ohm±25%	50mA	1.50ohm max.	-55°C to +125°C	Kit
BLM18BD222SN1□	2200ohm±25%	50mA	1.50ohm max.	-55°C to +125°C	Kit
BLM18BD252SN1□	2500ohm±25%	50mA	1.50ohm max.	-55°C to +125°C	Kit
BLM18BB050SN1□	5ohm±25%	700mA	0.05ohm max.	-55°C to +125°C	Kit
BLM18BB100SN1□	10ohm±25%	700mA	0.10ohm max.	-55°C to +125°C	Kit
BLM18BB220SN1□	22ohm±25%	600mA	0.20ohm max.	-55°C to +125°C	Kit
BLM18BB470SN1□	47ohm±25%	550mA	0.25ohm max.	-55°C to +125°C	Kit
BLM18BB600SN1□	60ohm±25%	550mA	0.25ohm max.	-55°C to +125°C	Kit
BLM18BB750SN1□	75ohm±25%	500mA	0.30ohm max.	-55°C to +125°C	Kit
BLM18BB121SN1□	120ohm±25%	500mA	0.30ohm max.	-55°C to +125°C	Kit
BLM18BB141SN1□	140ohm±25%	450mA	0.35ohm max.	-55°C to +125°C	
BLM18BB151SN1□	150ohm±25%	450mA	0.37ohm max.	-55°C to +125°C	Kit
BLM18BB221SN1□	220ohm±25%	450mA	0.45ohm max.	-55°C to +125°C	Kit
BLM18BB331SN1□	330ohm±25%	400mA	0.58ohm max.	-55°C to +125°C	Kit
BLM18BB471SN1□	470ohm±25%	300mA	0.85ohm max.	-55°C to +125°C	Kit
BLM18BA050SN1□	5ohm±25%	500mA	0.20ohm max.	-55°C to +125°C	Kit
BLM18BA100SN1□	10ohm±25%	500mA	0.25ohm max.	-55°C to +125°C	Kit
BLM18BA220SN1□	22ohm±25%	500mA	0.35ohm max.	-55°C to +125°C	
BLM18BA470SN1□	47ohm±25%	300mA	0.55ohm max.	-55°C to +125°C	Kit
BLM18BA750SN1□	75ohm±25%	300mA	0.70ohm max.	-55°C to +125°C	Kit
BLM18BA121SN1	120ohm±25%	200mA	0.90ohm max.	-55°C to +125°C	Kit

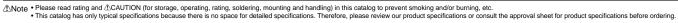
Number of Circuits: 1

Continued on the following page.



Mar.28,2011



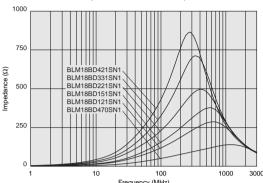




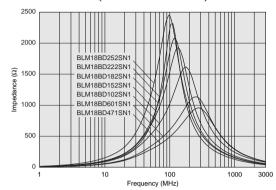
■ Impedance-Frequency Characteristics (Main Items)

BLM18BD Series (470hm to 4200hm)

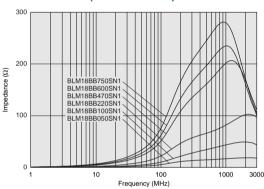
BLM18B Series (0603 Size)



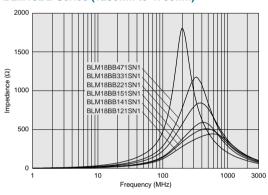
BLM18BD Series (470ohm to 2500ohm)



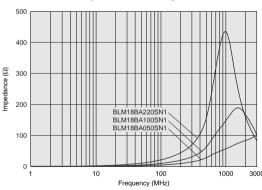
BLM18BB Series (50hm to 750hm)



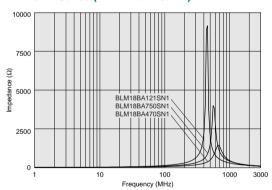
BLM18BB Series (120ohm to 470ohm)



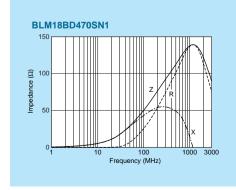
BLM18BA Series (5ohm to 22ohm)

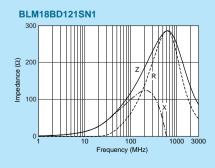


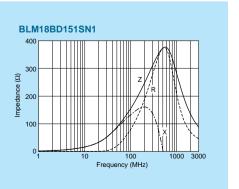
BLM18BA Series (470hm to 1200hm)



■ Impedance-Frequency Characteristics





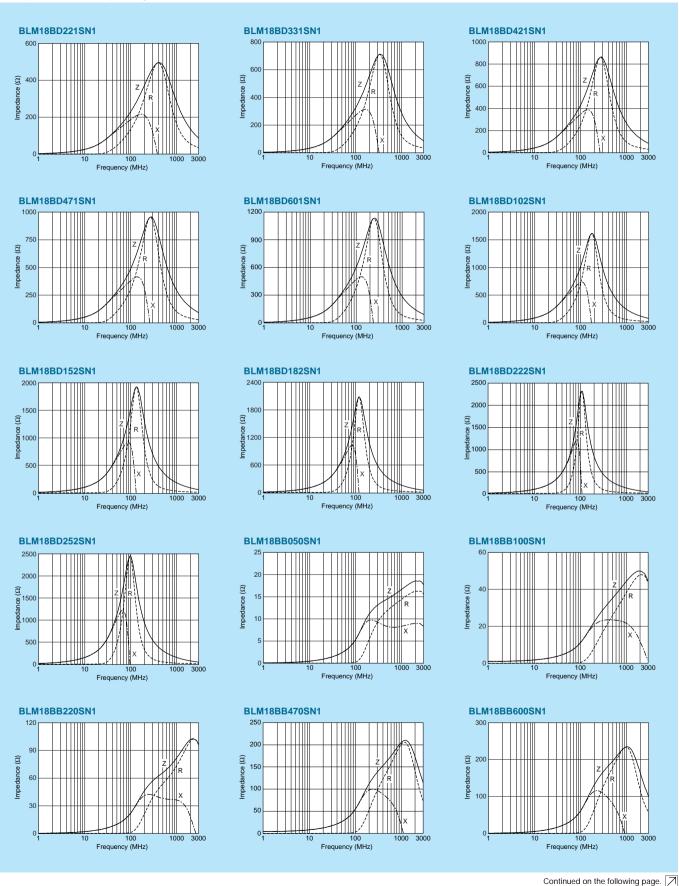


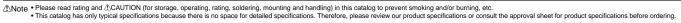
Continued on the following page.

Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



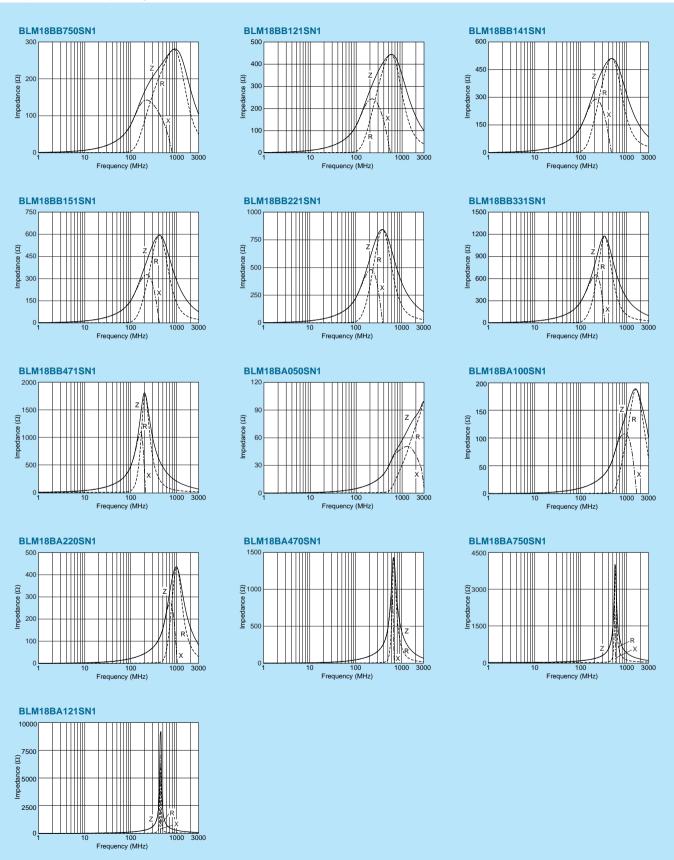
BLM18B Series (0603 Size)







BLM18B Series (0603 Size)

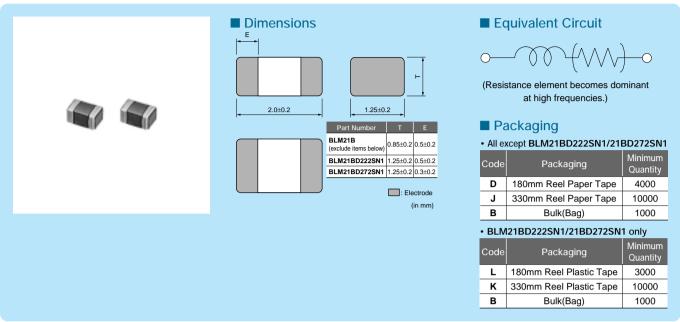


Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

BLM21B_{Series} (0805 Size)



0805 size for high speed signal lines.



Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM21BD121SN1□	120ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit
BLM21BD151SN1□	150ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	
BLM21BD221SN1□	220ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit
BLM21BD331SN1□	330ohm±25%	200mA	0.30ohm max.	-55°C to +125°C	
BLM21BD421SN1□	420ohm±25%	200mA	0.30ohm max.	-55°C to +125°C	Kit
BLM21BD471SN1□	470ohm±25%	200mA	0.35ohm max.	-55°C to +125°C	Kit
BLM21BD601SN1□	600ohm±25%	200mA	0.35ohm max.	-55°C to +125°C	Kit
BLM21BD751SN1□	750ohm±25%	200mA	0.40ohm max.	-55°C to +125°C	
BLM21BD102SN1□	1000ohm±25%	200mA	0.40ohm max.	-55°C to +125°C	Kit
BLM21BD152SN1□	1500ohm±25%	200mA	0.45ohm max.	-55°C to +125°C	Kit
BLM21BD182SN1□	1800ohm±25%	200mA	0.50ohm max.	-55°C to +125°C	Kit
BLM21BD222TN1□	2200ohm±25%	200mA	0.60ohm max.	-55°C to +125°C	Kit
BLM21BD222SN1□	2250ohm(Typ.)	200mA	0.60ohm max.	-55°C to +125°C	Kit
BLM21BD272SN1□	2700ohm±25%	200mA	0.80ohm max.	-55°C to +125°C	Kit
BLM21BB050SN1□	5ohm±25%	500mA	0.07ohm max.	-55°C to +125°C	Kit
BLM21BB600SN1□	60ohm±25%	200mA	0.20ohm max.	-55°C to +125°C	Kit
BLM21BB750SN1□	75ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit
BLM21BB121SN1□	120ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit
BLM21BB151SN1□	150ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	
BLM21BB201SN1□	200ohm±25%	200mA	0.35ohm max.	-55°C to +125°C	
BLM21BB221SN1□	220ohm±25%	200mA	0.35ohm max.	-55°C to +125°C	Kit
BLM21BB331SN1□	330ohm±25%	200mA	0.40ohm max.	-55°C to +125°C	Kit
BLM21BB471SN1□	470ohm±25%	200mA	0.45ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

Continued on the following page.



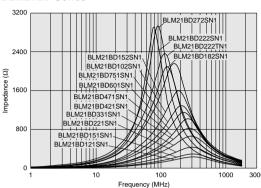




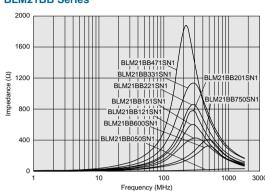
■ Impedance-Frequency Characteristics (Main Items)

BLM21BD Series

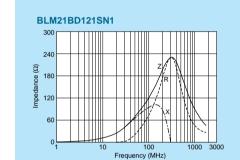
BLM21B Series (0805 Size)

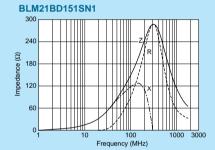


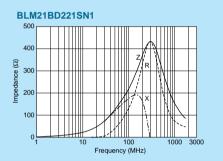
BLM21BB Series

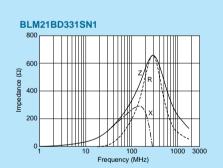


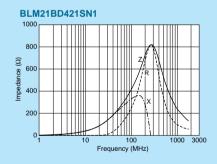
■ Impedance-Frequency Characteristics

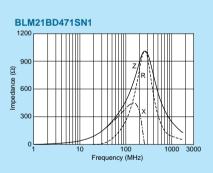


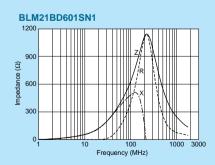


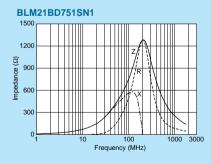


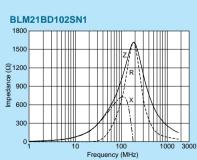








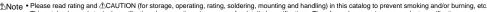


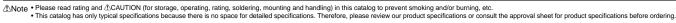


Continued on the following page.

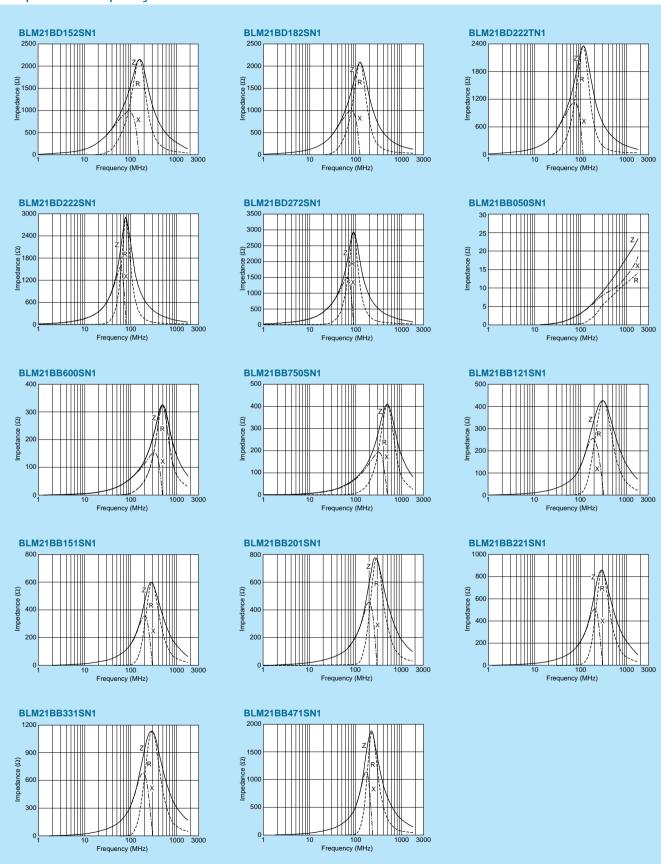


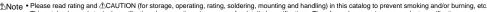
C31E.pdf Mar.28,2011





BLM21B Series (0805 Size)





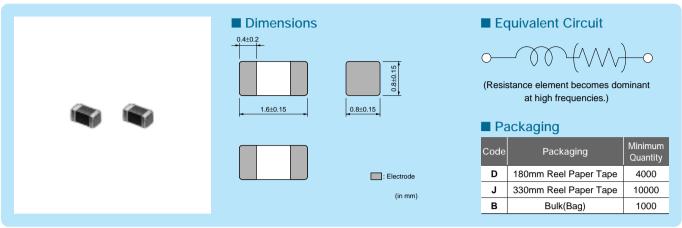
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BLM18R_{Series} (0603 Size)



For digital I/F. Reduce the distortion of waveform created by resonance.



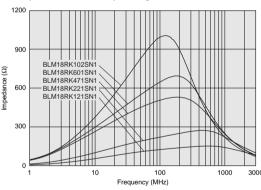
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

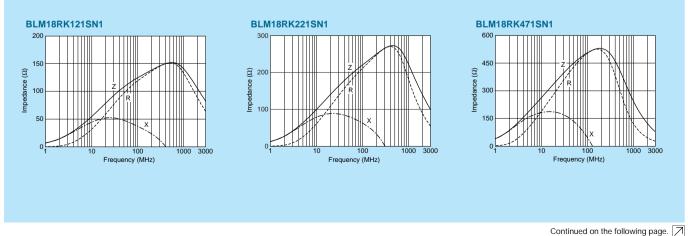
= (=. pubg)						
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range		
BLM18RK121SN1□	120ohm±25%	200mA	0.25ohm max.	-55°C to +125°C	Kit	
BLM18RK221SN1□	220ohm±25%	200mA	0.30ohm max.	-55°C to +125°C		
BLM18RK471SN1□	470ohm±25%	200mA	0.50ohm max.	-55°C to +125°C	Kit	
BLM18RK601SN1□	600ohm±25%	200mA	0.60ohm max.	-55°C to +125°C	Kit	
BLM18RK102SN1□	1000ohm±25%	200mA	0.80ohm max.	-55°C to +125°C	Kit	

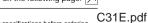
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



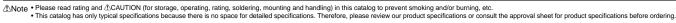
■ Impedance-Frequency Characteristics



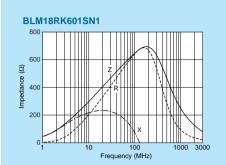


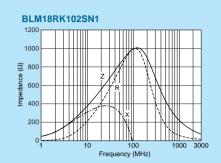
Mar.28,2011

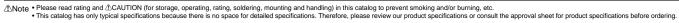








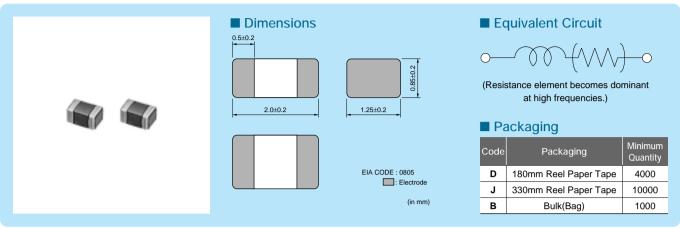




BLM21R_{Series} (0805 Size)



For digital I/F. Reduce the distortion of waveform created by resonance.



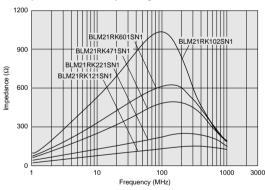
Refer to pages from p.91 to p.94 for mounting information.

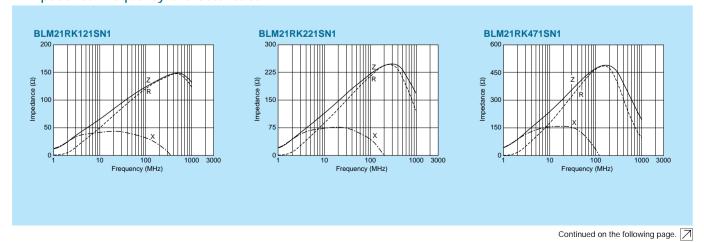
■ Rated Value (□: packaging code)

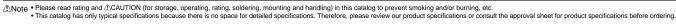
- Harou Taluo (El pashaging sous)							
Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range			
BLM21RK121SN1□	120ohm±25%	200mA	0.15ohm max.	-55°C to +125°C			
BLM21RK221SN1□	220ohm±25%	200mA	0.20ohm max.	-55°C to +125°C			
BLM21RK471SN1□	470ohm±25%	200mA	0.25ohm max.	-55°C to +125°C			
BLM21RK601SN1□	600ohm±25%	200mA	0.30ohm max.	-55°C to +125°C			
BLM21RK102SN1□	1000ohm±25%	200mA	0.50ohm max.	-55°C to +125°C			

Number of Circuits: 1

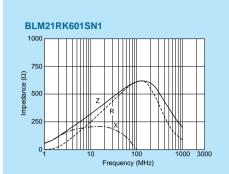
■ Impedance-Frequency Characteristics (Main Items)

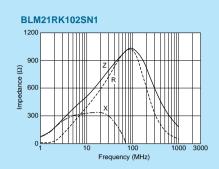


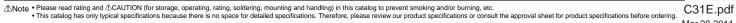






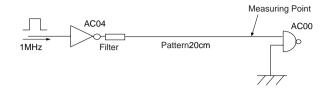


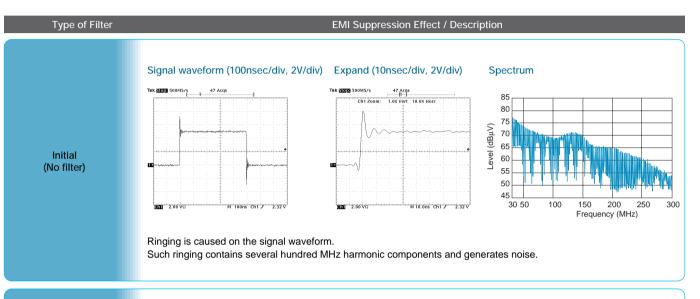


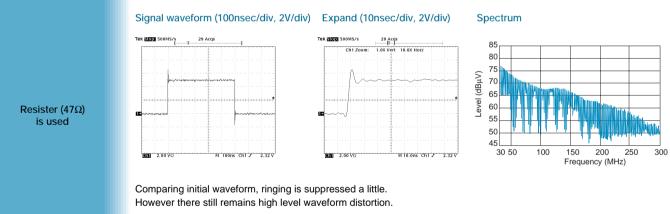


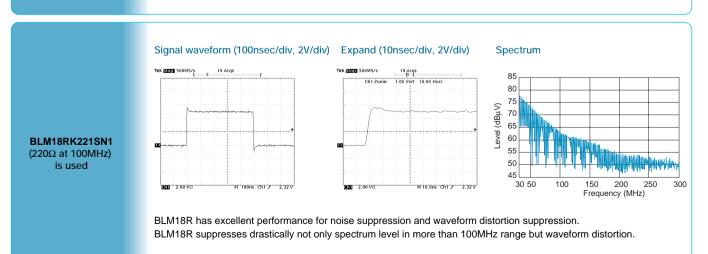
Waveform Distortion Suppressing Performance of BLMDR Series

Measuring Circuits

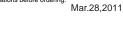








Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



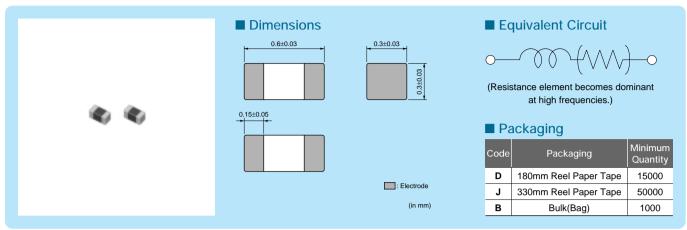
C31E.pdf



BLM03H_{Series} (0201 Size)



0201 size for GHz band noise.



Refer to pages from p.91 to p.94 for mounting information.

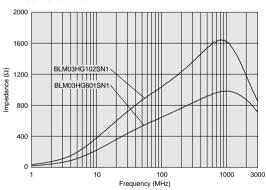
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM03HG601SN1□	600ohm±25%	1000ohm±40%	150mA	1.6ohm max.	-55°C to +125°C	Kit
BLM03HG102SN1□	1000ohm±25%	1800ohm±40%	125mA	2.6ohm max.	-55°C to +125°C	Kit
BLM03HD331SN1□	330ohm±25%	750ohm±40%	200mA	1.0ohm max.	-55°C to +125°C	New Kit
BLM03HD471SN1□	470ohm±25%	1000ohm±40%	175mA	1.3ohm max.	-55°C to +125°C	New Kit
BLM03HD601SN1□	600ohm±25%	1500ohm±40%	150mA	1.7ohm max.	-55°C to +125°C	New Kit
BLM03HD102SN1□	1000ohm±25%	2300ohm±40%	120mA	2.9ohm max.	-55°C to +125°C	New Kit

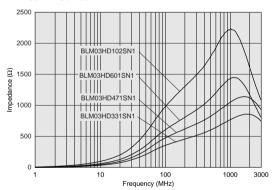
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

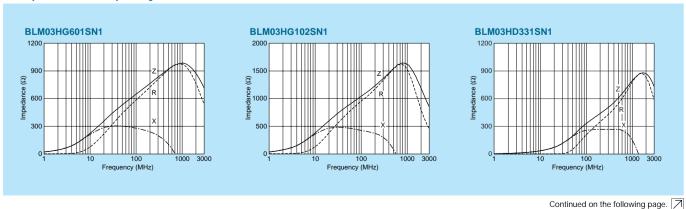
BLM03HG Series



BLM03HD Series



■ Impedance-Frequency Characteristics



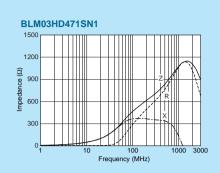
Note • Please read rating and

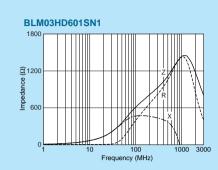
CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

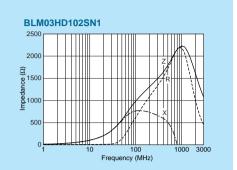
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before order.



BLM03H Series (0201 Size)



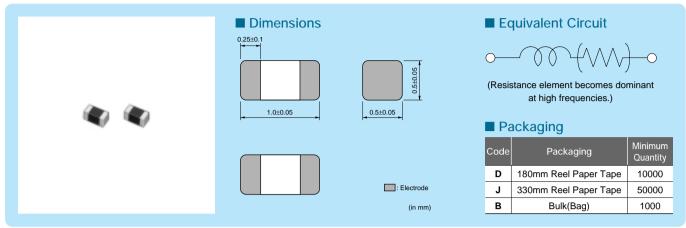




BLM15H_{Series} (0402 Size)



0402 size for GHz band noise.



Refer to pages from p.91 to p.94 for mounting information.

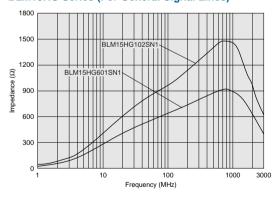
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15HG601SN1□	600ohm±25%	1000ohm±40%	300mA	0.7ohm max.	-55°C to +125°C	Kit
BLM15HG102SN1□	1000ohm±25%	1400ohm±40%	250mA	1.1ohm max.	-55°C to +125°C	Kit
BLM15HD601SN1□	600ohm±25%	1400ohm±40%	300mA	0.85ohm max.	-55°C to +125°C	Kit
BLM15HD102SN1□	1000ohm±25%	2000ohm±40%	250mA	1.25ohm max.	-55°C to +125°C	Kit
BLM15HD182SN1□	1800ohm±25%	2700ohm±40%	200mA	2.2ohm max.	-55°C to +125°C	Kit
BLM15HB121SN1□	120ohm±25%	500ohm±40%	300mA	0.7ohm max.	-55°C to +125°C	Kit
BLM15HB221SN1□	220ohm±25%	900ohm±40%	250mA	1.0ohm max.	-55°C to +125°C	Kit

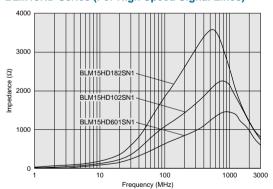
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

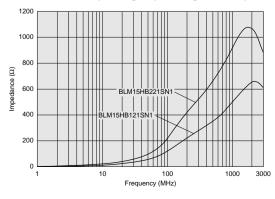
BLM15HG Series (For General Signal Lines)



BLM15HD Series (For High Speed Signal Lines)



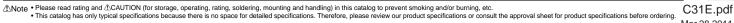
BLM15HB Series (For High Speed Signal Lines)



Continued on the following page.

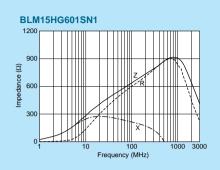


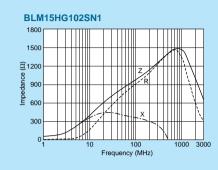


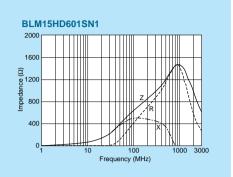


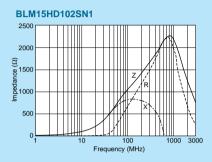


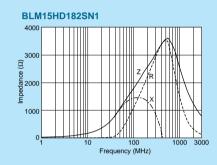
BLM15H Series (0402 Size)

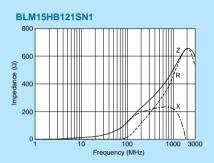


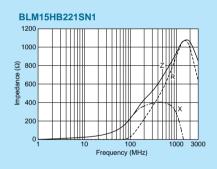












BLM18H_{Series} (0603 Size)

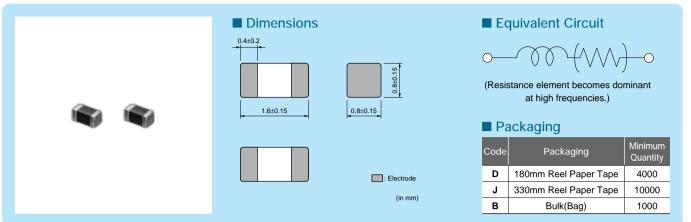






0603 size for GHz band noise.

*Please refer to BLM15H for downsizing.



Refer to pages from p.91 to p.94 for mounting information.

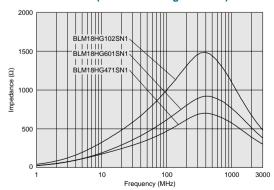
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18HG471SN1□	470ohm±25%	600ohm(Typ.)	200mA	0.85ohm max.	-55°C to +125°C	Kit
BLM18HG601SN1□	600ohm±25%	700ohm(Typ.)	200mA	1.00ohm max.	-55°C to +125°C	Kit
BLM18HG102SN1□	1000ohm±25%	1000ohm(Typ.)	100mA	1.60ohm max.	-55°C to +125°C	Kit
BLM18HE601SN1□	600ohm±25%	600ohm(Typ.)	800mA	0.25ohm max.	-55°C to +125°C	Kit
BLM18HE102SN1□	1000ohm±25%	1000ohm(Typ.)	600mA	0.35ohm max.	-55°C to +125°C	Kit
BLM18HE152SN1□	1500ohm±25%	1500ohm(Typ.)	500mA	0.50ohm max.	-55°C to +125°C	Kit
BLM18HD471SN1□	470ohm±25%	1000ohm(Typ.)	100mA	1.20ohm max.	-55°C to +125°C	Kit
BLM18HD601SN1□	600ohm±25%	1200ohm(Typ.)	100mA	1.50ohm max.	-55°C to +125°C	Kit
BLM18HD102SN1□	1000ohm±25%	1700ohm(Typ.)	50mA	1.80ohm max.	-55°C to +125°C	Kit
BLM18HB121SN1□	120ohm±25%	500ohm±40%	200mA	0.50ohm max.	-55°C to +125°C	Kit
BLM18HB221SN1□	220ohm±25%	1100ohm±40%	100mA	0.80ohm max.	-55°C to +125°C	Kit
BLM18HB331SN1□	330ohm±25%	1600ohm±40%	50mA	1.20ohm max.	-55°C to +125°C	Kit
BLM18HK331SN1□	330ohm±25%	400ohm±40%	200mA	0.50ohm max.	-55°C to +125°C	Kit
BLM18HK471SN1□	470ohm±25%	600ohm±40%	200mA	0.70ohm max.	-55°C to +125°C	Kit
BLM18HK601SN1□	600ohm±25%	700ohm±40%	100mA	0.90ohm max.	-55°C to +125°C	Kit
BLM18HK102SN1□	1000ohm±25%	1200ohm±40%	50mA	1.50ohm max.	-55°C to +125°C	Kit

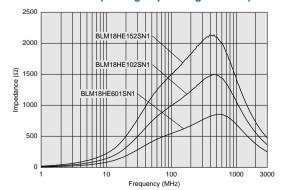
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)

BLM18HG Series (For General Signal Lines)



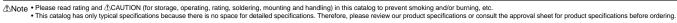
BLM18HE Series (For High Speed Signal Lines)



Continued on the following page.





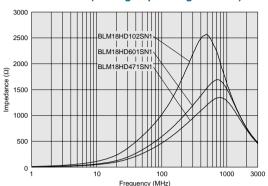




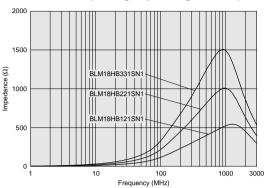
■ Impedance-Frequency Characteristics (Main Items)

BLM18HD Series (For High Speed Signal Lines)

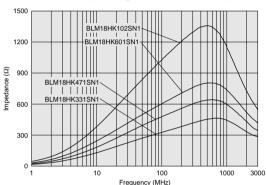
BLM18H Series (0603 Size)



BLM18HB Series (For High Speed Signal Lines)



BLM18HK Series (For Digital Interface Lines)

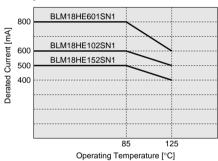


■ Notice (Rating)

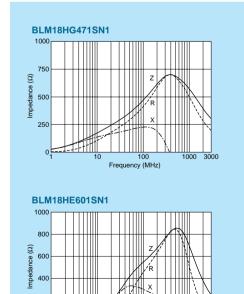
In operating temperature exceeding +85°C, derating of current is necessary for BLM18HE series.

Please apply the derating curve shown in chart according to the operating temperature.

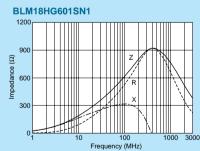
Derating

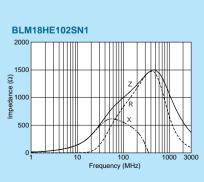


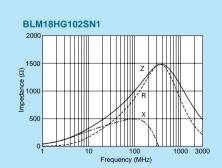
■ Impedance-Frequency Characteristics

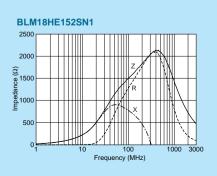


Frequency (MHz)









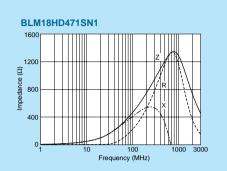
Continued on the following page.

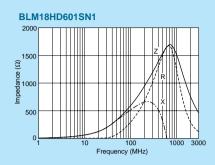
[•] This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering

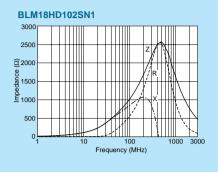


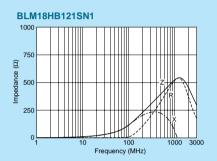
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

BLM18H Series (0603 Size)

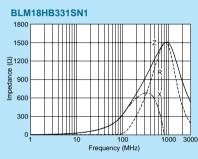


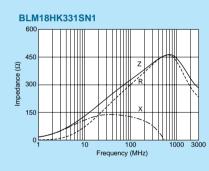


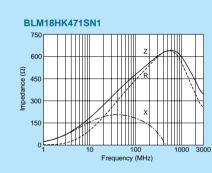


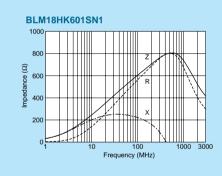


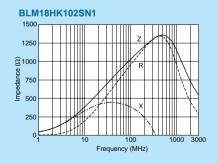








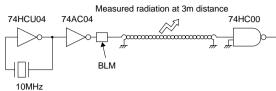


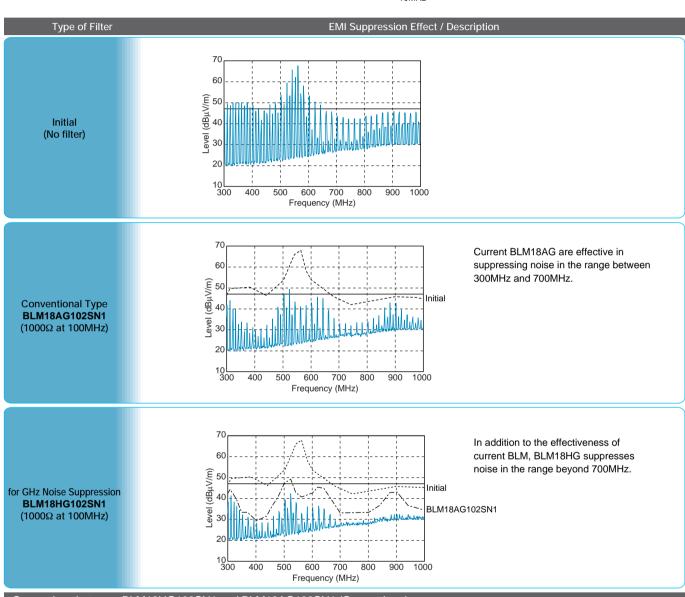




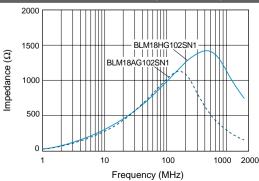
Noise Suppression of BLM18H in UHF Range

Testing Circuit





Comparison between BLM18HG102SN1 and BLM18AG102SN1 (Current Item)



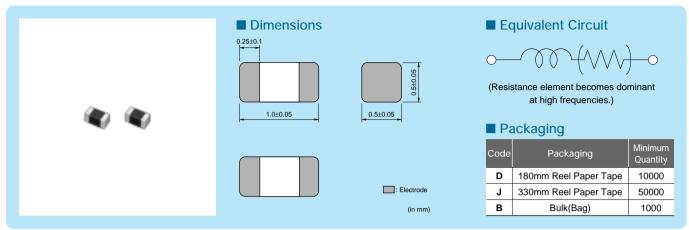
Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



BLM15G_{Series} (0402 Size)



Available up to high-GHz band noise.



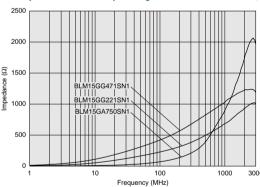
Refer to pages from p.91 to p.94 for mounting information.

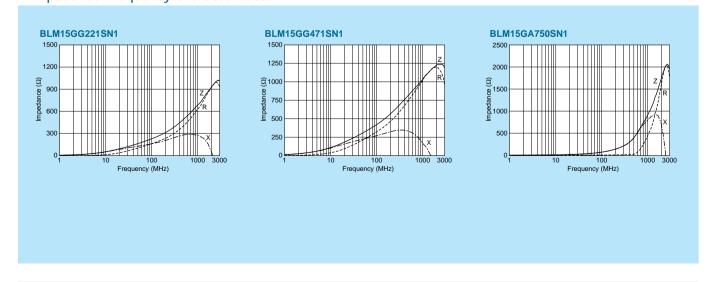
■ Rated Value (□: packaging code)

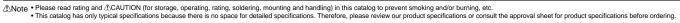
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM15GG221SN1□	220ohm±25%	600ohm±40%	300mA	0.7ohm max.	-55°C to +125°C	Kit
BLM15GG471SN1□	470ohm±25%	1200ohm±40%	200mA	1.3ohm max.	-55°C to +125°C	Kit
BLM15GA750SN1□	75ohm±25%	1000ohm±40%	200mA	1.3ohm max.	-55°C to +125°C	Kit

Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)





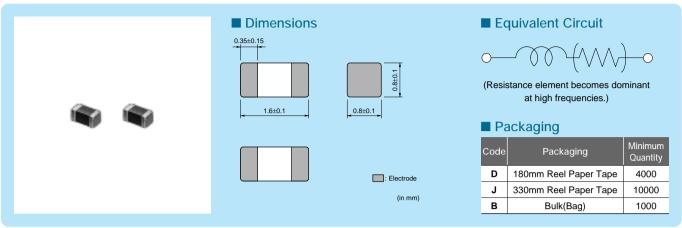




BLM18G_{Series} (0603 Size)



Available up to high-GHz band noise.



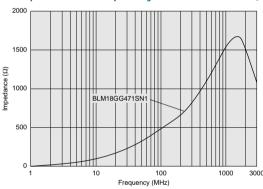
Refer to pages from p.91 to p.94 for mounting information.

■ Rated Value (□: packaging code)

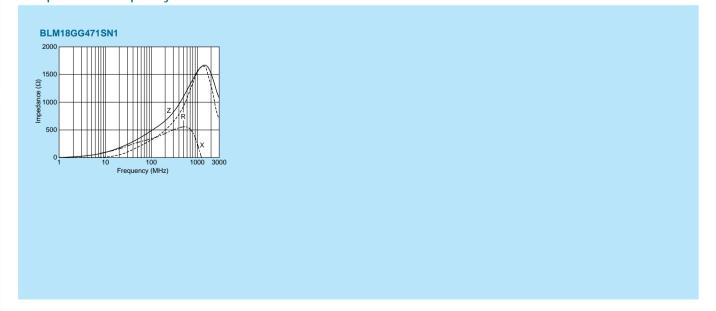
Part Number	Impedance (at 100MHz/20°C)	Impedance (at 1GHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range	
BLM18GG471SN1□	470ohm±25%	1800ohm±30%	200mA	1.0ohm ±0.3ohm	-55°C to +125°C	Kit

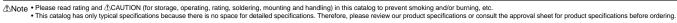
Number of Circuits: 1

■ Impedance-Frequency Characteristics (Main Items)



■ Impedance-Frequency Characteristics

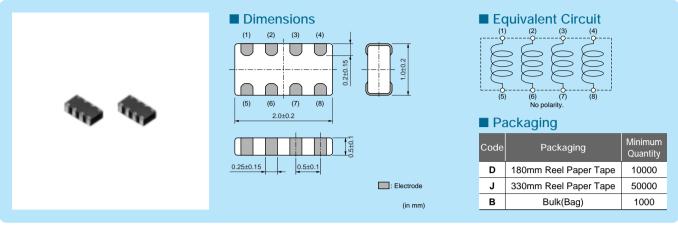




BLA2AA/BLA2AB_{Series} (0804 Size)



4-lines array, 0804 size.



Refer to pages from p.91 to p.94 for mounting information.

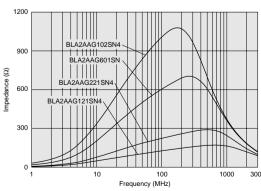
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLA2AAG121SN4□	120ohm±25%	100mA	0.50ohm max.	-55°C to +125°C
BLA2AAG221SN4□	220ohm±25%	50mA	0.70ohm max.	-55°C to +125°C
BLA2AAG601SN4□	600ohm±25%	50mA	1.10ohm max.	-55°C to +125°C
BLA2AAG102SN4□	1000ohm±25%	50mA	1.30ohm max.	-55°C to +125°C
BLA2ABD750SN4□	75ohm±25%	200mA	0.20ohm max.	-55°C to +125°C
BLA2ABD121SN4□	120ohm±25%	200mA	0.35ohm max.	-55°C to +125°C
BLA2ABD221SN4□	220ohm±25%	100mA	0.40ohm max.	-55°C to +125°C
BLA2ABD471SN4□	470ohm±25%	100mA	0.65ohm max.	-55°C to +125°C
BLA2ABD601SN4□	600ohm±25%	100mA	0.80ohm max.	-55°C to +125°C
BLA2ABD102SN4□	1000ohm±25%	50mA	1.00ohm max.	-55°C to +125°C
BLA2ABB100SN4□	10ohm±25%	200mA	0.1ohm max.	-55°C to +125°C
BLA2ABB220SN4□	22ohm±25%	200mA	0.2ohm max.	-55°C to +125°C
BLA2ABB470SN4□	47ohm±25%	200mA	0.35ohm max.	-55°C to +125°C
BLA2ABB121SN4□	120ohm±25%	50mA	0.60ohm max.	-55°C to +125°C
BLA2ABB221SN4□	220ohm±25%	50mA	0.90ohm max.	-55°C to +125°C

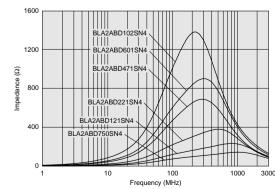
Number of Circuits: 4

■ Impedance-Frequency Characteristics (Main Items)

BLA2AAG Series

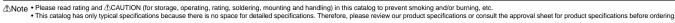


BLA2ABD Series



Continued on the following page.

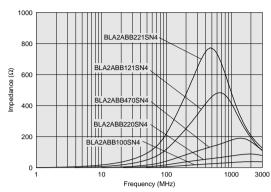




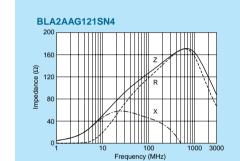


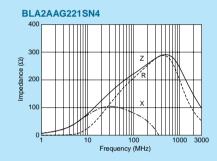
■ Impedance-Frequency Characteristics (Main Items)

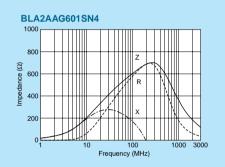
BLA2ABB Series

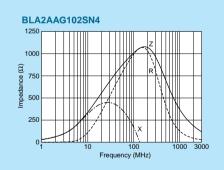


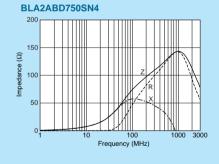
■ Impedance-Frequency Characteristics

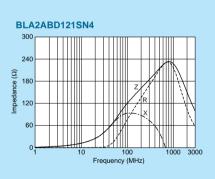


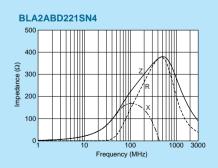


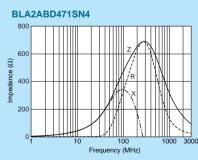


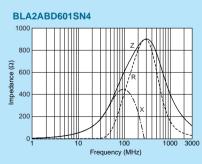








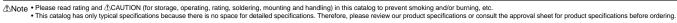




Continued on the following page.



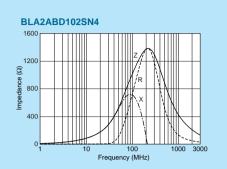


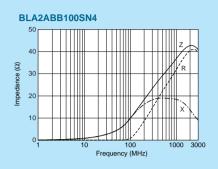


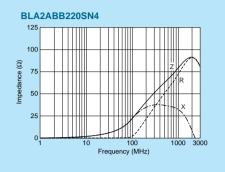


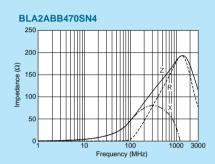
■ Impedance-Frequency Characteristics

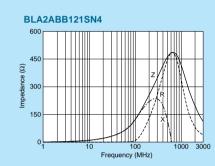
BLA2AA/BLA2AB Series (0804 Size)

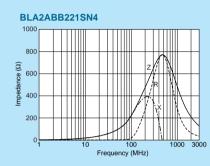












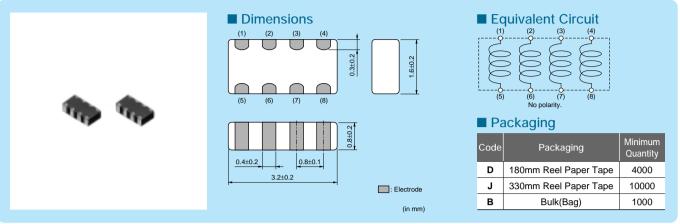
muRata

C31E.pdf

BLA31A/BLA31B_{Series} (1206 Size)



4-lines array, 1206 size.



Refer to pages from p.91 to p.94 for mounting information.

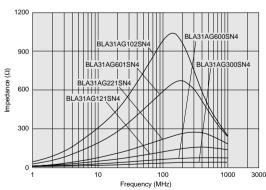
■ Rated Value (□: packaging code)

Part Number	Impedance (at 100MHz/20°C)	Rated Current	DC Resistance	Operating Temperature Range
BLA31AG300SN4□	30ohm±25%	200mA	0.10ohm max.	-55°C to +125°C
BLA31AG600SN4□	60ohm±25%	200mA	0.15ohm max.	-55°C to +125°C
BLA31AG121SN4□	120ohm±25%	150mA	0.20ohm max.	-55°C to +125°C
BLA31AG221SN4□	220ohm±25%	150mA	0.25ohm max.	-55°C to +125°C
BLA31AG601SN4□	600ohm±25%	100mA	0.35ohm max.	-55°C to +125°C
BLA31AG102SN4□	1000ohm±25%	50mA	0.45ohm max.	-55°C to +125°C
BLA31BD121SN4□	120ohm±25%	150mA	0.30ohm max.	-55°C to +125°C
BLA31BD221SN4□	220ohm±25%	150mA	0.35ohm max.	-55°C to +125°C
BLA31BD471SN4□	470ohm±25%	100mA	0.40ohm max.	-55°C to +125°C
BLA31BD601SN4□	600ohm±25%	100mA	0.45ohm max.	-55°C to +125°C
BLA31BD102SN4□	1000ohm±25%	50mA	0.55ohm max.	-55°C to +125°C

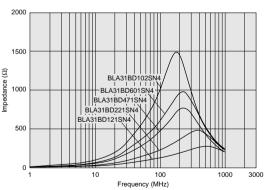
Number of Circuits: 4

■ Impedance-Frequency Characteristics (Main Items)

BLA31AG Series



BLA31BD Series

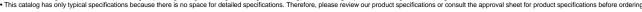


Continued on the following page.



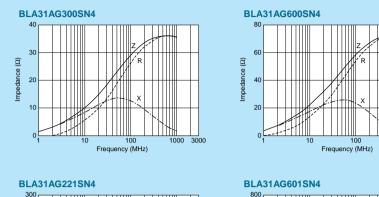
C31E.pdf Mar.28,2011

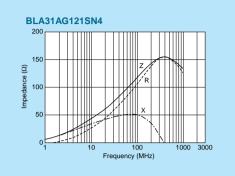


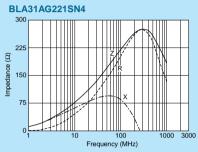


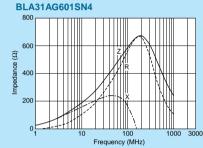
■ Impedance-Frequency Characteristics

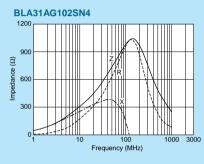
BLA31A/BLA31B Series (1206 Size)

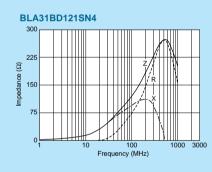


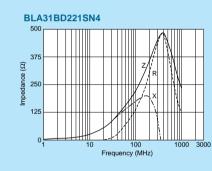


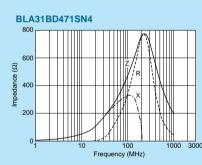


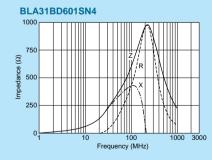


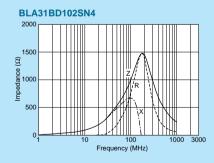














Rating

1. About the Rated Current

Do not use products beyond the rated current as this may create excessive heat and deteriorate the insulation resistance.

2. About the Excessive Surge Current Excessive surge current (pulse current or rush current) than specified rated current applied to the product may cause a critical failure, such as an open circuit, burnout caused by excessive temperature rise. Please contact us in advance in case of applying the surge current.

Soldering and Mounting

Self-heating

Please provide special attention when mounting chip ferrite beads BLM_AX/P/K/S series in close proximity to other products that radiate heat.

The heat generated by other products may deteriorate the insulation resistance and cause excessive heat in this component.

Notice

Storage and Operating Conditions

<Operating Environment>

Do not use products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.

Do not use products in the environment close to the organic solvent.

<Storage and Handling Requirements>

1. Storage Period

BLM15E/15H/15G series should be used within 12 months, the other series should be used within 6

Solderability should be checked if this period is exceeded.

- 2. Storage Conditions
- (1) Storage temperature: -10 to +40°C Relative humidity: 15 to 85%

Avoid sudden changes in temperature and humidity.

(2) Do not store products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.

Notice (Soldering and Mounting)

1. Cleaning

Failure and degradation of a product are caused by the cleaning method. When you clean in conditions that are not in mounting information, please contact Murata engineering.

2. Soldering

Reliability decreases with improper soldering methods. Please solder by the standard soldering conditions shown in mounting information.

Noise suppression levels resulting from Murata's EMI suppression filters EMIFIL® may vary, depending on the circuits and ICs used, type of noise, mounting pattern, mounting location, and other operating conditions. Be sure to check and confirm in advance the noise suppression effect of each filter, in actual circuits, etc. before applying the filter in a commercialpurpose equipment design.

Handling

1. Resin Coating

Using resin for coating/molding products may affect the products performance.

So please pay careful attention in selecting resin. Prior to use, please make the reliability evaluation with the product mounted in your application set.

2. Handling of a Substrate

After mounting products on a substrate, do not apply any stress to the product caused by bending or twisting to the substrate when cropping the substrate, inserting and removing a connector from the substrate or tightening screw to the substrate.

Excessive mechanical stress may cause cracking in the Product.

Bending





Chip Ferrite Bead Soldering and Mounting

1. Standard Land Pattern Dimensions

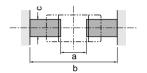
Land Pattern + Solder Resist Land Pattern ☐ Solder Resist

(in mm)

BLM02 BLM03 **BLM15** (Except BLM 15_AN1 series)

BLM18 BLM21 BLM31 BLM41

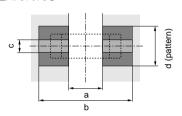
Reflow and Flow **BLM Series**



Туре	Soldering	а	b	С	
BLM02	Reflow	0.16-0.2	0.4-0.56	0.2-0.23	
BLM03	Reflow	0.2-0.3	0.6-0.9	0.3	
BLM15	Reflow	0.4	1.2-1.4	0.5	
BLM18	Flow (except 18G)	0.7	2.2-2.6	0.7	
	Reflow		1.8-2.0		
BLM21	Flow/ Reflow	1.2	3.0-4.0	1.0	

• Except BLM03PG/15AX·PD·PG/18PG·KG·SG/21PG. And BLM02/03/15/18G is specially adapted for reflow soldering.

BLM□□AX/P/K/S



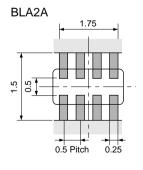
Туре	Rated Current	Soldering	а	b	c		Pad Thi Dimens	ckness sion d
. 7 -	(A)		u			18μm	35µm	70μm
BLM03AX	1max.	Reflow	0.2-0.3	0.6-0.9	0.3	0.3	0.3	0.3
BLM03PG	IIIIax.	Kellow	0.2-0.3	0.6-0.9	0.3	0.3	0.3	0.3
BLM15AX	1.5max.	Reflow	0.4	1.2-1.4	0.5	0.5	0.5	0.5
BLM15P□	2.2max.	Kellow	0.4	1.2-1.4	0.5	1.2	0.7	0.5
BLM18PG	0.5-1.5			Flow		0.7	0.7	0.7
BLM18KG	1.7-2.5		0.7	2.2-2.6	0.7	1.2	0.7	0.7
BLM18SG	3-4		0.7	Reflow 1.8-2.0	0.7	0.7 2.4 1 6.4 3	1.2	0.7
BLIVITOSG	6 6			1.8-2.0		6.4	3.3	1.65
	1.5				1.0	1.0	1.0	
BLM21PG	2		1.2	3.0-4.0	1.0	1.2	1.0	1.0
BLIVIZIFG	3	Flow/	1.2	3.0-4.0		2.4	1.2	1.0
	6	Reflow				6.4	3.3	1.65
	1.5/2					1.2	1.2	1.2
BLM31PG	3		2.0	4.2-5.2		2.4	1.2	1.2
	6				1 2	6.4	3.3	1.65
	1.5/2				1.2	1.2	1.2	1.2
BLM41PG	3		3.0	5.5-6.5		2.4	1.2	1.2
	6					6.4	3.3	1.65

• Do not apply narrower pattern than listed above to BLM□□AX/P/K/S.

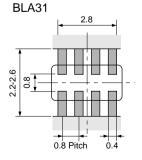
Narrow pattern can cause excessive heat or open circuit.

BLA2A BLA31

●Reflow Soldering



Reflow and Flow



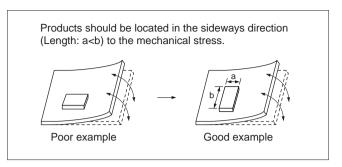
• If there are high amounts of self-heating on pattern, the contact points of PCB and part may become damaged.

Note • Please read rating and &CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



PCB Warping

PCB should be designed so that products are not subjected to the mechanical stress caused by warping



2. Solder Paste Printing and Adhesive Application

When reflow soldering the chip ferrite beads, the printing must be conducted in accordance with the following cream solder printing conditions.

If too much solder is applied, the chip will be prone to damage by mechanical and thermal stress from the PCB and may crack.

Standard land dimensions should be used for resist and copper foil patterns.

When flow soldering the chip ferrite beads, apply the adhesive in accordance with the following conditions. If too much adhesive is applied, then it may overflow into the land or termination areas and yield poor solderability. In contrast, if insufficient adhesive is applied, or if the adhesive is not sufficiently hardened, then the chip may become detached during flow soldering process.

(in mm)

Series	Solder Paste Printing	Adhesive Application
BLM (Except BLM 15_AN1 series)	 Ensure that solder is applied smoothly to a minimum height of 0.2mm to 0.3mm at the end surface of the part. Guideline of solder paste thickness: 50-80μm: BLM02 100-150μm: BLM03 100-200μm: BLM15/18/21/31/41 	BLM18/21/31/41 Series (Except BLM18G Series) Coating amount is illustrated in the following diagram. a: 20-70μm b: 30-35μm c: 50-105μm Chip Solid Inductor Bonding agent Land
BLA	OGuideline of solder paste thickness: 100-150μm: BLA2A 150-200μm: BLA31 BLA31 BLA2A 1.75 0.25 0.25 0.25	BLA31 Series Coating amount is illustrated in the following diagram. a: 20-70μm b: 30-35μm c: 50-105μm Chip Solid Inductor c: 50-105μm

Note • Please read rating and

CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

3. Standard Soldering Conditions

(1) Soldering Methods

Use flow and reflow soldering methods only. Use standard soldering conditions when soldering chip

In cases where several different parts are soldered, each having different soldering conditions, use those conditions requiring the least heat and minimum time.

Solder: Use Sn-3.0Ag-0.5Cu solder. Use of Sn-Zn based solder will deteriorate performance of products. If using BLA series with Sn-Zn based solder, please contact Murata in advance.

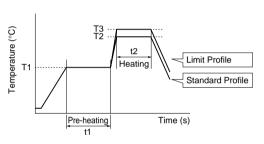
Flux:

- Use Rosin-based flux. In case of using RA type solder, products should be cleaned completely with no residual flux.
- Do not use strong acidic flux (with chlorine content exceeding 0.20wt%)
- Do not use water-soluble flux.

For additional mounting methods, please contact Murata.

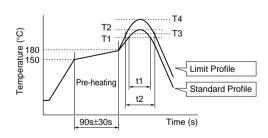
(2) Soldering Profile

 Flow Soldering profile (Sn-3.0Ag-0.5Cu Solder)

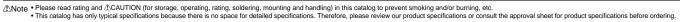


	Dro h	aatina	St	andard Profile	Э	Limit Profile		
Series	Pre-no	eating	Hea	ting	Cycle	Hea	ting	Cycle
	Temp. (T1)	Time. (t1)	Temp. (T2)	Time. (t2)	of Flow	Temp. (T3)	Time. (t2)	of Flow
BLM (Except BLM02/03/15/18G) BLA31	150°C	60s min.	250°C	4 to 6s	2 times max.	265±3°C	5s max.	2 times max.

Reflow Soldering Profile (Sn-3.0Ag-0.5Cu Solder)



		Standar	d Profile			Limit	Profile		
Series	Hea	ting	Peak Temperature	Cycle	Hea	ting	Peak Temperature		
	Temp. (T1)	Time. (t1)	(T2)	of Reflow	Temp. (T3)	Time. (t2)	(T4)	of Reflow	
BLM BLA	220°C min.	30 to 60s	245±3°C	2 times max.	230°C min.	60s max.	260°C/10s	2 times max.	





(3) Reworking with Solder Iron

The following conditions must be strictly followed when using a soldering iron. (Except BLM02 Series)

Pre-heating: 150°C 60s min.

Soldering iron power output / Tip diameter:

80W max. / ø3mm max.

Temperature of soldering iron tip / Soldering time / Times: 350°C max. / 3-4s / 2 times

Do not allow the tip of the soldering iron to directly contact the chip.

For additional methods of reworking with a soldering iron, please contact Murata engineering.

4. Cleaning

Following conditions should be observed when cleaning chip ferrite beads.

- (1) Cleaning Temperature: 60°C max. (40°C max. for alcohol type cleaner)
- (2) Ultrasonic

Output: 20W/liter max. Duration: 5 minutes max. Frequency: 28 to 40kHz

(3) Cleaning Agent

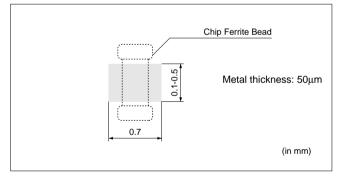
The following list of cleaning agents have been tested on the individual components. Evaluation of final assembly should be completed prior to production.

- (a) Alcohol cleaning agent Isopropyl alcohol (IPA)
- (b) Aqueous cleaning agent Pine Alpha ST-100S
- (4) Ensure that flux residue is completely removed. Component should be thoroughly dried after aqueous agent has been removed with deionized water.
- (5) BLM_G type is processed with resin. On rinsing the product, using water for ultrasonic cleaning may affect the resin quality used for the product by water element. In case of set cleaning conditions, please make sure the reliability according to the cleaning conditions.

5. Mounting of BLM15_AN1 Series

BLM15_AN1 is series for wire bonding mounting.

- (1) Die Bonding Mounting
- (a) Dimension of Standard Metal Mask

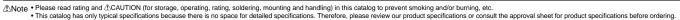


- (b) Die Bonding Agent
- Use adhesive for die bonding for which the curing temperature is 200°C or less.

(c) Notice

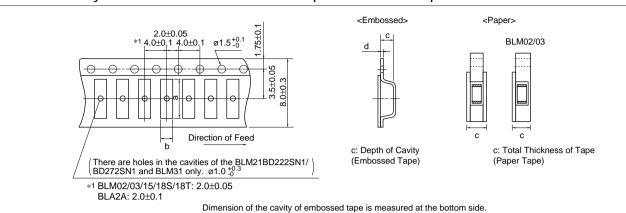
- Use a flat surface of substrate for bonding mounting. Slant mounting of product may affect the wire bonding.
- Adhesive for die bonding may affect the mounting reliability in wire bonding.

Make sure of the mounting reliability with the adhesive to be used in advance.



BL Chip Ferrite Bead Packaging

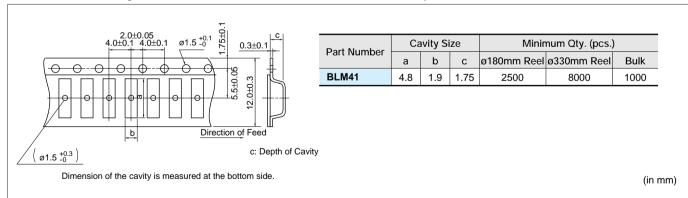
■ Minimum Quantity and Dimensions of 8mm Width Paper / Embossed Tape



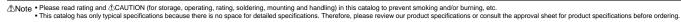
		Covity	, Sizo (mm)			Minimu	ım Qty. (pcs.)		
Part Number	Cavity Size (mm)			ø180m	ø180mm Reel		ø330mm Reel		
	а	b	С	d	Paper Tape	Embossed Tape	Paper Tape	Embossed Tape	Bulk
BLM02	0.45	0.25	0.40 max.	-	20000	-	-	-	1000
BLM03	0.70	0.40	0.55 max.	-	15000	-	50000	-	1000
BLM15	1.15	0.65	0.8 max.	-	10000	-	50000	-	1000
BLM18	1.85	1.05	1.1 max.	-	4000	-	10000	-	1000
BLM18EG/KG_TN	1.85	5 1.05	0.85 max.		4000	-	10000	-	1000
BLM18EG/KG_SN	1.85		1.1 max.	-					
BLM18S	1.85	1.05	0.90 max.	-	10000	-	30000	-	1000
BLM18T	1.85	1.05	0.90 max.	-	10000	-	-	-	1000
BLM21	2.25	1.45	1.1 max.	-	4000	-	10000	-	1000
BLM31	3.5	1.9	1.3	0.2	-	3000	-	10000	1000
BLM21BD222SN1/272SN1	2.25	1.45	1.3	0.2	-	3000	-	10000	1000
BLA2A	2.2	1.2	0.8 max.	-	10000	-	50000	-	1000
BLA31	3.4	1.8	1.1 max.	-	4000	-	10000	-	1000

(in mm)

■ Minimum Quantity and Dimensions of 12mm Width Embossed Tape



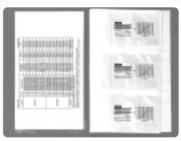
"Minimum Quantity" means the number of units of each delivery or order. The quantity should be an integral multiple of the "Minimum Quantity".





Chip Ferrite Bead Design Kits





●EKEMBL03G (Chip Ferrite Beads 01005 Size / 0201 Size)

No.	Part Number	Quantity	Impedance typ.	Rated Current	DC Resistance
NO.	rait Number	(pcs.)	(at 100MHz, 20 degrees C)	(mA)	(Ω) max.
1	BLM02AG100SN1	10	10Ω (Typ.)	500	0.1
2	BLM02AG700SN1	10	70Ω±25%	250	0.5
3	BLM02AG121SN1	10	120Ω±25%	200	0.8
4	BLM03AG100SN1	10	10Ω (Typ.)	500	0.1
5	BLM03AG700SN1	10	70Ω (Typ.)	200	0.4
6	BLM03AG800SN1	10	80Ω±25%	200	0.4
7	BLM03AG121SN1	10	120Ω±25%	200	0.5
8	BLM03AG241SN1	10	240Ω±25%	200	0.8
9	BLM03AG601SN1	10	600Ω±25%	100	1.5
10	BLM03AG102SN1	10	1000Ω±25%	100	2.5
11	BLM03AX100SN1	10	10Ω (Typ.)	1000	0.05
12	BLM03AX800SN1	10	80Ω±25%	500	0.18
13	BLM03AX121SN1	10	120Ω±25%	450	0.23
14	BLM03AX241SN1	10	240Ω±25%	350	0.38
15	BLM03AX601SN1	10	600Ω±25%	250	0.85
16	BLM03AX102SN1	10	1000Ω±25%	200	1.25
17	BLM03BB100SN1	10	10Ω±25%	300	0.4
18	BLM03BB220SN1	10	22Ω±25%	200	0.5
19	BLM03BB470SN1	10	47Ω±25%	200	0.7
20	BLM03BB750SN1	10	75Ω±25%	200	1.0
21	BLM03BB121SN1	10	120Ω±25%	100	1.5
22	BLM03BD750SN1	10	75Ω±25%	300	0.4
23	BLM03BD121SN1	10	120Ω±25%	250	0.5
24	BLM03BD241SN1	10	240Ω±25%	200	0.8
25	BLM03BD471SN1	10	470Ω±25%	215	1.5
26	BLM03BD601SN1	10	600Ω±25%	200	1.7
27	BLM03BC330SN1	10	33Ω±25%	150	0.85
28	BLM03BC560SN1	10	56Ω±25%	100	1.05
29	BLM03BC800SN1	10	80Ω±25%	100	1.40
30	BLM03HG601SN1	10	600Ω±25%	150	1.6
31	BLM03HG102SN1	10	1000Ω±25%	125	2.6
32	BLM03HD331SN1	10	330Ω±25%	200	1.0
33	BLM03HD471SN1	10	470Ω±25%	175	1.3
34	BLM03HD601SN1	10	600Ω±25%	150	1.7
35	BLM03HD102SN1	10	1000Ω±25%	120	2.9
36	BLM03PG220SN1	10	22Ω±25%	900	0.065
37	BLM03PG330SN1	10	33Ω±25%	750	0.090

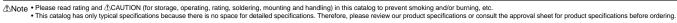
●EKEMBL15N (Chip Ferrite Beads 0402 Size)

No.	Part Number	Quantity (pcs.)	Impedance typ. (at 100MHz, 20 degrees C)	Rated Current (mA)	DC Resistance (Ω) max.
1	BLM15AG100SN1	10	10Ω (Typ.)	1000	0.05
2	BLM15AG700SN1	10	70Ω (Typ.)	500	0.15
3	BLM15AG121SN1	10	120Ω±25%	500	0.25
4	BLM15AG221SN1	10	220Ω±25%	300	0.35
5	BLM15AG601SN1	10	600Ω±25%	300	0.60
6	BLM15AG102SN1	10	1000Ω±25%	200	1.00
7	BLM15AX100SN1	10	10Ω (Typ.)	1740	0.015
8	BLM15AX300SN1	10	30Ω±25%	1100	0.06
9	BLM15AX700SN1	10	70Ω±25%	780	0.10
10	BLM15AX121SN1	10	120Ω±25%	680	0.13
11	BLM15AX221SN1	10	220Ω±25%	580	0.18
12	BLM15AX601SN1	10	600Ω±25%	420	0.34
13	BLM15AX102SN1	10	1000Ω±25%	350	0.49
14	BLM15BA050SN1	10	5Ω±25%	300	0.10

Continued on the following page.

C31E.pdf Mar.28,2011







V	Continued	from	the	preceding	page.

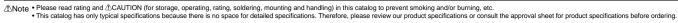
No. Part Number		Quantity (pcs.)	Impedance typ. (at 100MHz, 20 degrees C)	Rated Current (mA)	DC Resistance (Ω) max.
15	BLM15BA100SN1	10	10Ω±25%	300	0.20
16	BLM15BA220SN1	10	22Ω±25%	300	0.30
17	BLM15BA330SN1	10	33Ω±25%	300	0.40
18	BLM15BA470SN1	10	47Ω±25%	200	0.60
19	BLM15BA750SN1	10	75Ω±25%	200	0.80
20	BLM15BB050SN1	10	5Ω±25%	500	0.08
21	BLM15BB100SN1	10	10Ω±25%	300	0.10
22	BLM15BB220SN1	10	22Ω±25%	300	0.20
23	BLM15BB470SN1	10	47Ω±25%	300	0.35
24	BLM15BB750SN1	10	75Ω±25%	300	0.40
25	BLM15BB121SN1	10	120Ω±25%	300	0.55
26	BLM15BB221SN1	10	220Ω±25%	200	0.80
27	BLM15BC121SN1	10	120Ω±25%	350	0.45
28	BLM15BC241SN1	10	240Ω±25%	250	0.70
29	BLM15BD750SN1	10	75Ω±25%	300	0.20
30	BLM15BD121SN1	10	120Ω±25%	300	0.30
31	BLM15BD221SN1	10	220Ω±25%	300	0.40
32	BLM15BD471SN1	10	470Ω±25%	200	0.60
33	BLM15BD601SN1	10	600Ω±25%	200	0.65
34	BLM15BD102SN1	10	1000Ω±25%	200	0.90
35	BLM15BD182SN1	10	1800Ω±25%	100	1.40
36	BLM15HD601SN1	10	600Ω±25%	300	0.85
37	BLM15HD102SN1	10	1000Ω±25%	250	1.25
38	BLM15HD182SN1	10	1800Ω±25%	200	2.20
39	BLM15HG601SN1	10	600Ω±25%	300	0.70
40	BLM15HG102SN1	10	1000Ω±25%	250	1.10
41	BLM15HB121SN1	10	120Ω±25%	300	0.70
42	BLM15HB221SN1	10	220Ω±25%	250	1.00
43	BLM15EG121SN1	10	120Ω±25%	1500	0.095
44	BLM15EG221SN1	10	220Ω±25%	700	0.28
45	BLM15GG221SN1	10	220Ω±25%	300	0.70
46	BLM15GG471SN1	10	470Ω±25%	200	1.30
47	BLM15GA750SN1	10	75Ω±25%	200	1.30
48	BLM15PG100SN1	10	10Ω (Typ.)	1000	0.05
49	BLM15PD300SN1	10	30Ω±25%	2200	0.035
50	BLM15PD600SN1	10	60Ω±25%	1700	0.06
51	BLM15PD800SN1	10	80Ω±25%	1500	0.07
52	BLM15PD121SN1	10	120Ω±25%	1300	0.09
53	BLM15PX121SN1	10	120Ω±25%	1800	0.06

●EKEMBL18H (Chip Ferrite Beads 0603 Size)

No.	Part Number	Quantity (pcs.)	Impedance typ. (at 100MHz, 20 degrees C)	Rated Current (mA)	DC Resistance (Ω) max.
1	BLM18AG121SN1	10	120Ω±25%	500	0.18
2	BLM18AG151SN1	10	150Ω±25%	500	0.25
3	BLM18AG221SN1	10	220Ω±25%	500	0.25
4	BLM18AG331SN1	10	330Ω±25%	500	0.30
5	BLM18AG471SN1	10	470Ω±25%	500	0.35
6	BLM18AG601SN1	10	600Ω±25%	500	0.38
7	BLM18AG102SN1	10	1000Ω±25%	400	0.50
8	BLM18BA050SN1	10	5Ω±25%	500	0.20
9	BLM18BA100SN1	10	10Ω±25%	500	0.25
10	BLM18BA470SN1	10	47Ω±25%	300	0.55
11	BLM18BA750SN1	10	75Ω±25%	300	0.70
12	BLM18BA121SN1	10	120Ω±25%	200	0.90
13	BLM18BB050SN1	10	5Ω±25%	700	0.05
14	BLM18BB100SN1	10	10Ω±25%	700	0.10
15	BLM18BB220SN1	10	22Ω±25%	600	0.20
16	BLM18BB470SN1	10	47Ω±25%	550	0.25
17	BLM18BB600SN1	10	60Ω±25%	550	0.25
18	BLM18BB750SN1	10	75Ω±25%	500	0.30
19	BLM18BB121SN1	10	120Ω±25%	500	0.30
20	BLM18BB151SN1	10	150Ω±25%	450	0.37
21	BLM18BB221SN1	10	220Ω±25%	450	0.45
22	BLM18BB331SN1	10	330Ω±25%	400	0.58

Continued on the following page.





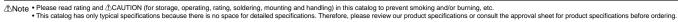


Continued from the preceding page.

No.	Part Number	Quantity	Impedance typ.	Rated Current	DC Resistance
		(pcs.)	(at 100MHz, 20 degrees C)	(mA)	(Ω) max.
23	BLM18BB471SN1	10	470Ω±25%	300	0.85
24	BLM18BD470SN1	10	47Ω±25%	200	0.30
25	BLM18BD121SN1	10	120Ω±25%	200	0.40
26	BLM18BD151SN1	10	150Ω±25%	200	0.40
27	BLM18BD221SN1	10	220Ω±25%	200	0.45
28	BLM18BD331SN1	10	330Ω±25%	200	0.50
29	BLM18BD421SN1	10	420Ω±25%	200	0.55
30	BLM18BD471SN1	10	470Ω±25%	200	0.55
31	BLM18BD601SN1	10	600Ω±25%	200	0.65
32	BLM18BD102SN1	10	1000Ω±25%	100	0.85
33	BLM18BD152SN1	10	1500Ω±25%	50	1.20
34	BLM18BD182SN1	10	1800Ω±25%	50	1.50
35	BLM18BD222SN1	10	2200Ω±25%	50	1.50
36	BLM18BD252SN1	10	2500Ω±25%	50	1.50
37	BLM18PG300SN1	10	30Ω (Typ.)	1000	0.05
38	BLM18PG330SN1	10	33Ω±25%	3000	0.025
39	BLM18PG600SN1	10	60Ω (Typ.)	500	0.10
40	BLM18PG121SN1	10	120Ω±25%	2000	0.05
41	BLM18PG181SN1	10	180Ω±25%	1500	0.09
42	BLM18PG221SN1	10	220Ω±25%	1400	0.10
43	BLM18PG331SN1	10	330Ω±25%	1200	0.15
44	BLM18PG471SN1	10	470Ω±25%	1000	0.20
45	BLM18KG260TN1	10	26Ω±25%	6000	0.007
46	BLM18KG300TN1	10	30Ω±25%	5000	0.010
47	BLM18KG700TN1	10	70Ω±25%	3500	0.022
48	BLM18KG101TN1	10	100Ω±25%	3000	0.030
49	BLM18KG121TN1	10	120Ω±25%	3000	0.030
50	BLM18KG221SN1	10	220Ω±25%	2200	0.050
51	BLM18KG331SN1	10	330Ω±25%	1700	0.080
52	BLM18KG471SN1	10	470Ω±25%	1500	0.130
53	BLM18KG601SN1	10	600Ω±25%	1300	0.150
54	BLM18SG260TN1	10	26Ω±25%	6000	0.007
55	BLM18SG700TN1	10	70Ω±25%	4000	0.020
56	BLM18SG121TN1	10	120Ω±25%	3000	0.025
57	BLM18SG221TN1	10	220Ω±25%	2500	0.040
58	BLM18SG331TN1	10	330Ω±25%	1500	0.070

●EKEMBL8GA (Chip Ferrite Beads 0603 Size / for High Frequency Type)

No.	Part Number	Quantity	Impedance	Impedance	Rated Current	DC Resistance
INO.	Part Number	(pcs.)	(at 100MHz, 20 degrees C)	(at 1GHz, 20 degrees C)	(mA)	(Ω) max.
1	BLM18HG471SN1	10	470Ω±25%	600Ω (Typ.)	200	0.85
2	BLM18HG601SN1	10	600Ω±25%	700Ω (Typ.)	200	1.00
3	BLM18HG102SN1	10	1000Ω±25%	1000Ω (Typ.)	100	1.60
4	BLM18HB121SN1	10	120Ω±25%	500Ω±40%	200	0.50
5	BLM18HB221SN1	10	220Ω±25%	1100Ω±40%	100	0.80
6	BLM18HB331SN1	10	330Ω±25%	1600Ω±40%	50	1.20
7	BLM18HD471SN1	10	470Ω±25%	1000Ω (Typ.)	100	1.20
8	BLM18HD601SN1	10	600Ω±25%	1200Ω (Typ.)	100	1.50
9	BLM18HD102SN1	10	1000Ω±25%	1700Ω (Typ.)	50	1.80
10	BLM18HE601SN1	10	600Ω±25%	600Ω (Typ.)	800	0.25
11	BLM18HE102SN1	10	1000Ω±25%	1000Ω (Typ.)	600	0.35
12	BLM18HE152SN1	10	1500Ω±25%	1500Ω (Typ.)	500	0.50
13	BLM18HK331SN1	10	330Ω±25%	400Ω (Typ.)	200	0.50
14	BLM18HK471SN1	10	470Ω±25%	600Ω (Typ.)	200	0.70
15	BLM18HK601SN1	10	600Ω±25%	700Ω (Typ.)	100	0.90
16	BLM18HK102SN1	10	1000Ω±25%	1200Ω (Typ.)	50	1.50
17	BLM18EG101TN1	10	100Ω±25%	140Ω (Typ.)	2000	0.045
18	BLM18EG121SN1	10	120Ω±25%	145Ω (Typ.)	2000	0.04
19	BLM18EG221TN1	10	220Ω±25%	300Ω (Typ.)	1000	0.15
20	BLM18EG221SN1	10	220Ω±25%	260Ω (Typ.)	2000	0.05
21	BLM18EG331TN1	10	330Ω±25%	450Ω (Typ.)	500	0.21
22	BLM18EG391TN1	10	390Ω±25%	520Ω (Typ.)	500	0.30
23	BLM18EG471SN1	10	470Ω±25%	550Ω (Typ.)	500	0.21
24	BLM18EG601SN1	10	600Ω±25%	700Ω (Typ.)	500	0.35
25	BLM18GG471SN1	10	470Ω±25%	1800Ω±30%	200	1.30





C31E.pdf Mar.28,2011 ●EKEMBL21E (Chip Ferrite Beads 0805 Size / for Large-current P Type)

		Quantity	Impedance typ.	Rated Current	DC Resistance
No. Part Number		(pcs.)	(at 100MHz, 20 degrees C)	(mA)	(Ω) max.
1	BLM21AG121SN1	10	120Ω±25%	200	0.15
2	BLM21AG151SN1	10	150Ω±25%	200	0.15
3	BLM21AG221SN1	10	220Ω±25%	200	0.20
4	BLM21AG331SN1	10	330Ω±25%	200	0.25
5	BLM21AG471SN1	10	470Ω±25%	200	0.25
6	BLM21AG601SN1	10	600Ω±25%	200	0.30
7	BLM21AG102SN1	10	1000Ω±25%	200	0.45
8	BLM21BB050SN1	10	5Ω±25%	500	0.07
9	BLM21BB600SN1	10	60Ω±25%	200	0.20
10	BLM21BB750SN1	10	75Ω±25%	200	0.25
11	BLM21BB121SN1	10	120Ω±25%	200	0.25
12	BLM21BB221SN1	10	220Ω±25%	200	0.35
13	BLM21BB331SN1	10	330Ω±25%	200	0.40
14	BLM21BB471SN1	10	470Ω±25%	200	0.45
15	BLM21BD121SN1	10	120Ω±25%	200	0.25
16	BLM21BD221SN1	10	220Ω±25%	200	0.25
17	BLM21BD421SN1	10	420Ω±25%	200	0.30
18	BLM21BD471SN1	10	470Ω±25%	200	0.35
19	BLM21BD601SN1	10	600Ω±25%	200	0.35
20	BLM21BD102SN1	10	1000Ω±25%	200	0.40
21	BLM21BD152SN1	10	1500Ω±25%	200	0.45
22	BLM21BD182SN1	10	1800Ω±25%	200	0.50
23	BLM21BD222SN1	10	2250Ω (Typ.)	200	0.60
24	BLM21BD222TN1	10	2200Ω±25%	200	0.60
25	BLM21BD272SN1	10	2700Ω±25%	200	0.80
26	BLM21PG220SN1	10	22Ω±25%	6000	0.01
27	BLM21PG300SN1	10	30Ω (Typ.)	3000	0.015
28	BLM21PG600SN1	10	60Ω±25%	3000	0.025
29	BLM21PG121SN1	10	120Ω±25%	3000	0.03
30	BLM21PG221SN1	10	220Ω±25%	2000	0.050
31	BLM21PG331SN1	10	330Ω±25%	1500	0.09
32	BLM31PG330SN1	10	33Ω±25%	6000	0.01
33	BLM31PG500SN1	10	50Ω (Typ.)	3000	0.025
34	BLM31PG121SN1	10	120Ω±25%	3000	0.025
35	BLM31PG391SN1	10	390Ω (Typ.)	2000	0.05
36	BLM31PG601SN1	10	600Ω (Typ.)	1500	0.09
37	BLM41PG600SN1	10	60Ω (Typ.)	6000	0.01
38	BLM41PG750SN1	10	75Ω (Typ.)	3000	0.025
39	BLM41PG181SN1	10	180Ω (Typ.)	3000	0.025
40	BLM41PG471SN1	10	470Ω (Typ.)	2000	0.05
41	BLM41PG102SN1	10	1000Ω (Typ.)	1500	0.09



