Power Inductors / Wire Wound type

Series : **G**
Type : **ELLVEG**
ELLVFG-C
ELLVGG
ELLVGG-C


Type ELLVEG


Type ELLVFG


Type ELLVGG


Type ELLVGG-C

Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Shock resistant
- RoHS compliant

Recommended Applications

- DSC, Tablet terminal, Portable game device, DC/DC converter circuit for cellular phone

Standard Packing Quantity

- 2,000 pcs./reel

■ As for Soldering Conditions and Safety Precautions,

Please see Data Files

Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11
E	L	L	V	G	G	1	0	0	M	
Product Code			Outer size	Height	Structure	Inductance			Tolerance	Design No.

ELL	Choke Coil (Magnetic shielded type)

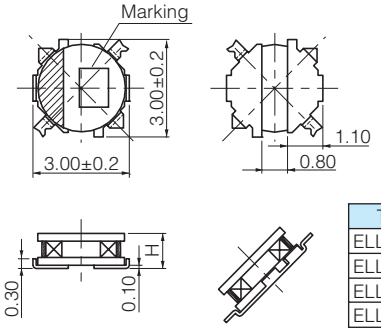
E	1.0 max.
F	1.2 max.
G	1.5 max.

G	Series

2R2 → 2.2 µH
150 → 15 µH

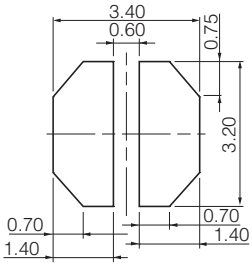
M → ±20 %
N → ±30 %

Dimensions in mm (not to scale)



Type	H
ELLVEG	1.0 max.
ELLVFG-C	1.2 max.
ELLVGG	1.5 max.
ELLVGG-C	1.5 max.

Recommended land patterns in mm (not to scale)

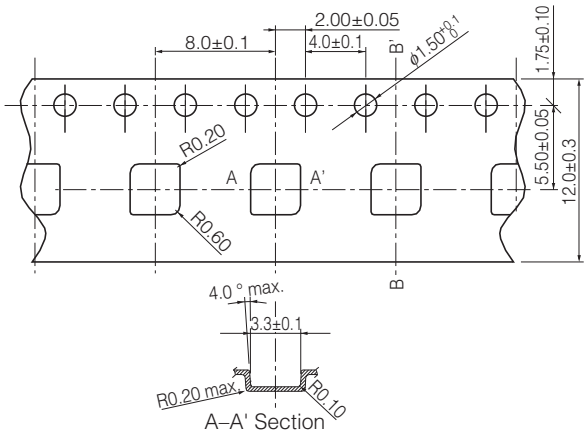


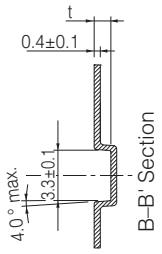
Standard Parts

Series	Part No.	Inductance (100 kHz)		R_{DC} (at 20 °C)		Saturation Rated Current*1 (mA max.)	Temperature Rise Current*2 (mA max.)	Marking
		(μH)	Tol.	(mΩ)	Tol.			
Series VEG	ELLVEGR68N	0.68	±30 %	50	±20 %	1950	1800	7
	ELLVEG1R0N	1.0		61		1900	1600	A
	ELLVEG1R5N	1.5		74		1200	1400	C
	ELLVEG2R2N	2.2		110		1100	1250	D
	ELLVEG3R3N	3.3		210		1000	820	E
	ELLVEG4R7N	4.7		240		750	770	H
	ELLVEG6R8N	6.8		350		580	650	K
	ELLVEG100M	10.0	±20 %	480		520	600	M
	ELLVEG150M	15.0		710		430	490	O
	ELLVEG220M	22.0		1200		330	400	R
Series VFG-C	ELLVFG1R0NC	1.0	±30 %	50		1500	1700	a
	ELLVFG1R5NC	1.5		61		1300	1550	c
	ELLVFG2R2NC	2.2		87		1100	1400	d
	ELLVFG3R3NC	3.3		110		980	1250	e
	ELLVFG4R7NC	4.7		150		740	1050	h
	ELLVFG6R8NC	6.8		230		600	840	k
	ELLVFG100MC	10.0	±20 %	380		550	640	m
	ELLVFG150MC	15.0		540		500	480	o
	ELLVFG220MC	22.0		710		350	430	r
	ELLVFG330MC	33.0		1160		280	330	t
Series VGG	ELLVGG1R0N	1.0	±30 %	52		2200	1800	A
	ELLVGG1R2N	1.2		61		2000	1600	B
	ELLVGG1R6N	1.6		73		1800	1550	C
	ELLVGG2R2N	2.2		92		1600	1400	D
	ELLVGG3R3N	3.3		130		1350	1100	E
	ELLVGG3R9N	3.9		150		1300	1000	F
	ELLVGG4R7N	4.7		170		1200	980	H
	ELLVGG6R8N	6.8		230		1000	800	K
	ELLVGG100M	10.0	±20 %	280		800	730	M
	ELLVGG120M	12.0		480		690	580	N
	ELLVGG150M	15.0		640		600	490	O
	ELLVGG220M	22.0		800		500	460	R
	ELLVGG330M	33.0		1330		450	340	T
	ELLVGG470M	47.0		2100		350	270	V
Series VGG-C	ELLVGG1R0NC	1.0	±30 %	47		1400	2000	A
	ELLVGG2R2NC	2.2		79		1050	1500	D
	ELLVGG3R3NC	3.3		110		1000	1300	E
	ELLVGG4R7NC	4.7		130		900	1200	H
	ELLVGG6R8NC	6.8		180		700	1000	K
	ELLVGG100MC	10.0	±20 %	260		600	860	M
	ELLVGG120MC	12.0		280		550	730	N
	ELLVGG150MC	15.0		420		450	670	O
	ELLVGG220MC	22.0		530		410	600	R
	ELLVGG330MC	33.0		790		350	450	T
	ELLVGG470MC	47.0		1200		260	360	V
	ELLVGG101MC	100		2950		180	250	Z

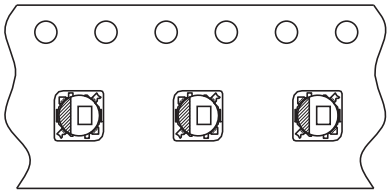
*1 Saturation Rated Current : This DC current which causes a 30 % inductance reduction from its nominal value.
*2 Temperature Rise Current : This indicates the value of current when temperature rise dt/t= 40 °C (at 20 °C).

Embossed Carrier Tape Dimensions in mm (not to scale)

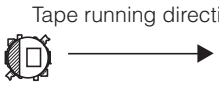




Type	t
ELLVEG	1.1±0.3
ELLVFG-C	1.3±0.3
ELLVGG	1.6±0.3
ELLVGG-C	1.6±0.3



Quantity 2,000 pcs./reel



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

ELL-VGG2R2N ELL-VEG100M ELL-VEG150M ELL-VEG1R0N ELL-VEG1R5N ELL-VEG220M ELL-VEG2R2N ELL-VEG3R3N ELL-VEG4R7N ELL-VEG6R8N ELL-VGG100M ELL-VGG1R0N ELL-VGG1R6N ELL-VGG220M ELL-VGG330M ELL-VGG3R3N ELL-VGG4R7N ELL-VGG6R8N ELL-VEG330M ELL-VEG470M ELL-VEG680M ELL-VFG100MC ELL-VFG150MC ELL-VFG1R0NC ELL-VFG1R5NC ELL-VFG220MC ELL-VFG2R2NC ELL-VFG330MC ELL-VFG3R3NC ELL-VFG4R7NC ELL-VFG6R8NC ELL-VGG120M ELL-VGG150M ELL-VGG3R9N ELL-VGG470M