

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

BXC

BXC SERIES

Load Life: 105°C 8000~12000 hours

◆FEATURES

- •High Ripple Current.
- •For LED Lighting.
- •RoHS compliance.



SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	−25~+105°C						
Rated Voltage Range	160~500Vdc						
Capacitance Tolerance	±20%(20°C,120Hz)						
Leakage Current(MAX)	$ \begin{array}{ c c c c c }\hline CV{\leq}1000 & CV{>}1000 \\ \hline I=0.1CV+40\mu\text{A (1minute)} & I=0.04CV+100\mu\text{A (1minute)} & C=\text{Capacitance }(\mu\text{F}) \\ I=0.03CV+15\mu\text{A (5minutes)} & I=0.02CV+25\mu\text{A (5minutes)} & V=\text{Rated Voltage (Vdc)} \\ \hline \end{array} $						
(tanδ) Dissipation Factor(MAX)	Rated Voltage (Vdc) 160 200 250 350 400 450 500 (20°C,120Hz) tanδ 0.15 0.15 0.15 0.20 0.20 0.20 0.24						
	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.						
Endurance	Capacitance Change Within ±20% of the initial value. Case Size Life Tim (hrs)	ie					
	Dissipation Factor Not more than 200% of the specified value. 8×11.5, 10×12.5 8000						
	Leakage Current Not more than the specified value. 10×16, 10×20 10000 ΦD≥12.5 12.000						
	*500Vdc:10000hrs						
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc) 160 200 250 350 400 450 500 (120Hz) (120Hz) (120Hz)						

♦MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)			120	1k	10k	100k≦
	Coefficient	1~5.6µF	0.20	0.40	0.80	1.00
Co		6.8∼18µF	0.30	0.60	0.90	1.00
Coemcient	22~82μF	0.40	0.70	0.90	1.00	
	100~220μF	0.45	0.75	0.90	1.00	

♦OPTION

	Code
PET Sleeve	EFC

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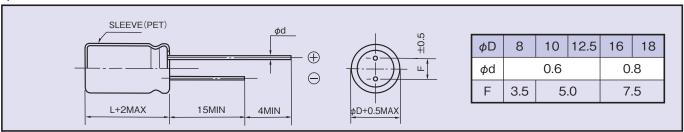
	BXC		M			DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size



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♦DIMENSIONS (mm)



♦STANDARD SIZE

Size ϕ D×L(mm), Rated Ripple Current (mA r.m.s./105°C, 100kHz)

* • • • • • • • • • • • • • • • • • • •			Olzo VB AZ (min), Hatod Hippic Carron (mix mino, 100 C, 100)				o, . o o	
Vdc	160		200		250		350	
Cap(µF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7					8×11.5	160	10×12.5	150
5.6							10×12.5	180
6.8					10×12.5	250	10×16	280
10	10×16	320	10×16	320	10×16	320	10×20	350
18						 	10×20	350
22	10×20	500	10×20	500	10×16 10×20	470 500	12.5×20	650
33	10×20	650	10×20	650	12.5×16 12.5×20	760 800	16×20	900
47	10×20	750	12.5×20	980	12.5×20	980	16×20	1080
56					12.5×20 18×16 12.5×25	1080 960		
68	12.5×20	1180	12.5×25 16×20	1300	12.5×25 16×20	1300	18×25	1470
82			16×20	1380	12.5×30 16×20	1500 1440	18×25	1530
100	12.5×25 16×20	1420	16×20	1420	16×25 18×20	1530 1440		
120					18×20	1500		
150	16×25	1890	16×25	1890	18×25	1960		
220	18×25	2370				! ! !		

Vdc	400		450		500	
Cap(µF)	Size	Ripple	Size	Ripple	Size	Ripple
1	8×11.5 10×12.5	60 70		 		
1.5	8×11.5 10×12.5	90 100		 		
1.8	8×11.5 10×12.5	95 120		 		
2.2	8×11.5 10×12.5	95 140				
3.3	10×12.5 10×16	150 180		 		
4.7	10×16	220	10×16 10×20	180 220		
5.6	10×16	250	10×16 10×20	200 250		
6.8	10×16	280	10×16 10×20	230 280		
8.2			10×20	280		
10	10×20	350	10×20 12.5×16 12.5×20 12.5×20	330 360 450 450	12.5×20	320
15	12.5×20	550	12.5×20 12.5×25 16×16	450 600	12.5×25 16×20	440
22	12.5×25 16×20	760	12.5×25 16×20	600 730	12.5×35 16×25 18×20	560
33	16×20	900	16×20 16×25 18×20	730 980 780	16×31.5 18×25	700
47	16×25 18×20	1180	18×25	1200	18×31.5	880
68	18×25	1470		 		