

BXF SERIES

Load Life : 105°C 10000 hours.

◆FEATURES

- 20mm height Max.
- High Ripple Current.
- For Electronic Ballast, Power Supply.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics																											
Category Temperature Range	-25~+105℃																											
Rated Voltage Range	160~450V.DC																											
Capacitance Tolerance	±20%(20℃,120Hz)																											
Leakage Current(MAX)	I=0.04CV+100μA (After 1 minute application of rated voltage) I=0.02CV+25μA (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																											
(tanδ) Dissipation Factor(MAX)	<table><tr><td>Rated Voltage (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>tanδ</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.20</td><td>0.20</td><td>0.20</td></tr></table> (20℃,120Hz)							Rated Voltage (V)	160	200	250	350	400	450	tanδ	0.15	0.15	0.15	0.20	0.20	0.20							
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Endurance	After applying voltage with rated ripple current for 10000 hours at 105℃, the capacitors shall meet the following requirement. <table><tr><td>Capacitance Change</td><td colspan="6">Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="6">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="6">Not more than the specified value.</td></tr></table>							Capacitance Change	Within ±25% of the initial value.						Dissipation Factor	Not more than 200% of the specified value.						Leakage Current	Not more than the specified value.					
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>3</td><td>3</td><td>6</td><td>6</td><td>6</td></tr></table> (120Hz)							Rated Voltage (V)	160	200	250	350	400	450	Z(-25℃)/Z(20℃)	3	3	3	6	6	6							
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Z(-25℃)/Z(20℃)	3	3	3	6	6	6																						

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)	120	1k	10k	100k≤
10~18 μF	0.30	0.60	0.90	1.00
22~82 μF	0.40	0.70	0.90	1.00
100~220 μF	0.45	0.75	0.90	1.00

◆OPTION

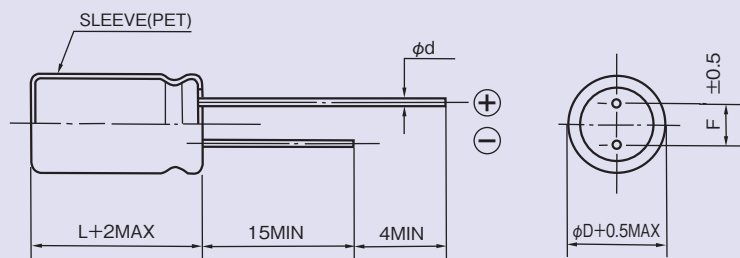
	Code
PET Sleeve	Blank

◆PART NUMBER

□□□ Rated Voltage BXF Series □□□□□ Capacitance M Capacitance Tolerance □□□ Option □□ Lead Forming D×L Case Size

◆DIMENSIONS

(mm)



ϕD	10	12.5	16	18
ϕd	0.6		0.8	
F	5.0		7.5	

◆STANDARD SIZE

 Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 100kHz)

WV(V.DC)	Cap(μ F)	Size	Ripple
160 (2C)	47	10×16	650
	68	10×20	800
	82	16×16	1350
	100	12.5×20	1350
	100	18×16	1550
	180	16×20	1800
	220	18×20	2250
200 (2D)	33	10×16	650
	47	10×20	800
	56	16×16	1350
	68	12.5×20	1350
	82	18×16	1550
	120	16×20	1800
	180	18×20	2250
250 (2E)	27	10×16	650
	39	10×20	800
	47	16×16	1350
	56	12.5×20	1350
	56	18×16	1550
	100	16×20	1800
	120	18×20	2250

WV(V.DC)	Cap(μ F)	Size	Ripple
350 (2V)	18	10×16	450
	22	10×20	500
	27	16×16	780
	33	12.5×20	850
	33	18×16	960
	56	16×20	1200
	82	18×20	1300
400 (2G)	12	10×16	450
	18	10×20	500
	18	16×16	780
	27	12.5×20	850
	27	18×16	960
	47	16×20	1200
	56	18×20	1300
450 (2W)	10	10×16	350
	15	10×20	400
	15	16×16	700
	22	12.5×20	700
	22	18×16	850
	33	16×20	970
	47	18×20	1170