

BXF SERIES

Load Life : 105°C 10000 hours

•20mm height Max.

RoHS
compliance



◆SPECIFICATIONS

Items	Characteristics																											
Category Temperature Range	-25~+105℃																											
Rated Voltage Range	160~450Vdc																											
Capacitance Tolerance	±20% (20℃,120Hz)																											
Leakage Current(MAX)	I=0.04CV+100μA (After 1 minute application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc) I=0.02CV+25μA (After 5 minutes application of rated voltage)																											
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (Vdc)</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 (Vdc)	160	200	250	350	400	450	tanδ	0.15	0.15	0.15	0.20	0.20	0.20							
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tanδ	0.15	0.15	0.15	0.20	0.20	0.20																						
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 (Vdc)</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 (Vdc)	160	200	250	350	400	450	Z(-25℃)/Z(20℃)	3	3	3	6	6	6							
Rated Voltage (Vdc)	160	200	250	350	400	450																						
Z(-25℃)/Z(20℃)	3	3	3	6	6	6																						

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

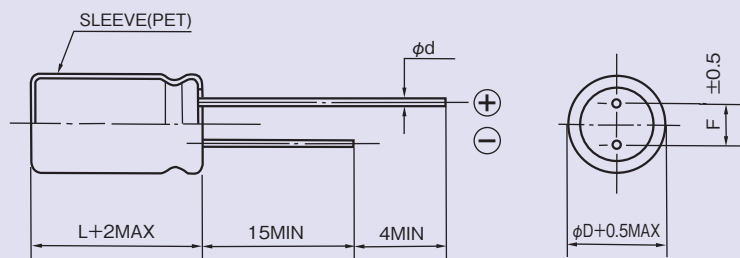
	Code
PET Sleeve	Blank

◆PART NUMBER

Rated Voltage	BXF	Series	Capacitance	M	Capacitance Tolerance	Option	Lead Forming	D×L	Case Size
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◆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), Rated Ripple Current (mA r.m.s./105°C, 100kHz)

Vdc	Cap(μF)	Size	Ripple	Vdc	Cap(μF)	Size	Ripple
160	47	10×16	650	350	18	10×16	450
	68	10×20	1000		22	10×20	500
	82	16×16	1350		27	16×16	780
	100	12.5×20	1350		33	12.5×20	850
	100	18×16	1550		33	18×16	960
	180	16×20	1800		56	16×20	1200
	220	18×20	2250		82	18×20	1300
200	33	10×16	650	400	12	10×16	450
	47	10×20	800		18	10×20	500
	56	16×16	1350		18	16×16	780
	68	12.5×20	1350		27	12.5×20	850
	82	18×16	1550		27	18×16	960
	120	16×20	1800		47	16×20	1200
	180	18×20	2250		56	18×20	1300
250	27	10×16	650	450	10	10×16	350
	39	10×20	800		15	10×20	400
	47	16×16	1350		15	16×16	700
	56	12.5×20	1350		22	12.5×20	700
	56	18×16	1550		22	18×16	850
	100	16×20	1800		33	16×20	970
	120	18×20	2250		47	18×20	1170