

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°C														
Rated Voltage Range	160~450V.DC														
Capacitance Tolerance	±20% (20°C, 120Hz)														
Leakage Current(MAX)	$I=0.04CV+100\mu A$ (After 1 minute application of rated voltage) $I=0.02CV+25\mu A$ (After 5 minutes application of rated voltage) I =Leakage Current(μA) C =Capacitance(μF) V =Rated Voltage(V)														
Dissipation Factor(MAX) (tan δ)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <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> </tbody> </table> (20°C, 120Hz)	Rated Voltage (V)	160	200	250	350	400	450	tan δ	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°C, the capacitors shall meet the following requirement. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </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 border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>6</td> <td>6</td> <td>6</td> </tr> </tbody> </table> (120Hz)	Rated Voltage (V)	160	200	250	350	400	450	Z(-25°C)/Z(20°C)	3	3	3	6	6	6
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Z(-25°C)/Z(20°C)	3	3	3	6	6	6									

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		120	1k	10k	100k \leq
Coefficient	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

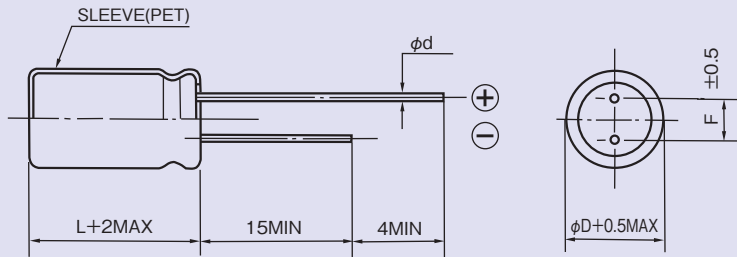
	Code
PET Sleeve	Blank

◆PART NUMBER

<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	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)

V.DC	Cap(μF)	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

V.DC	Cap(μF)	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
	12	10×16	450
400 (2G)	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
	10	10×16	350
450 (2W)	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