

**BXF SERIES**
**Load Life : 105°C 10000 hours**

•20mm height Max.


**◆SPECIFICATIONS**

Items	Characteristics														
Category Temperature Range	-25~+105°C														
Rated Voltage Range	160~450Vdc														
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( $\mu A$ ) $C=$ Capacitance( $\mu F$ ) $V=$ Rated Voltage(Vdc)														
Dissipation Factor(MAX) (tan $\delta$ )	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tan<math>\delta</math></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 (Vdc)	160	200	250	350	400	450	tan $\delta$	0.15	0.15	0.15	0.20	0.20	0.20
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tan $\delta$	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°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 (Vdc)</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 (Vdc)	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 $\mu F$	0.30	0.60	0.90	1.00
	22~82 $\mu F$	0.40	0.70	0.90	1.00
	100~220 $\mu F$	0.45	0.75	0.90	1.00

**◆OPTION**

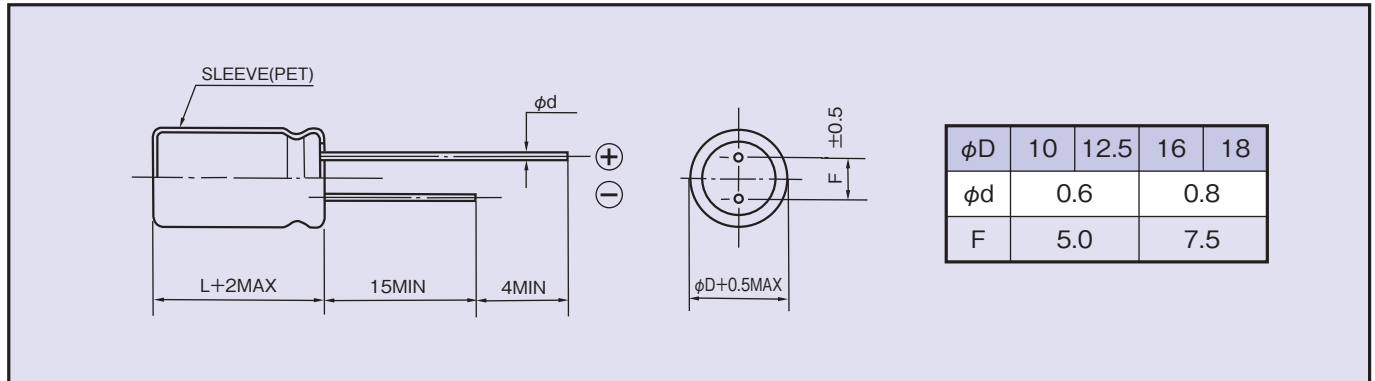
	Code
PET Sleeve	Blank

**◆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>
Rated Voltage	BXF Series	Capacitance	M Capacitance Tolerance	Option	Lead Forming	DxL Case Size

◆ **DIMENSIONS**

(mm)



◆ **STANDARD SIZE**

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

Vdc	Cap( $\mu F$ )	Size	Ripple	Vdc	Cap( $\mu F$ )	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

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