



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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**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≤
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**

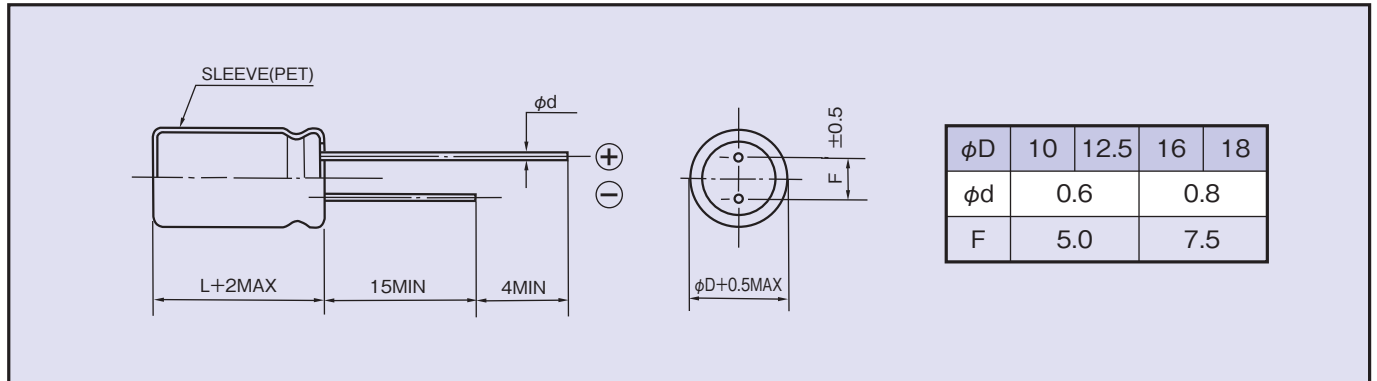
	Code
PET Sleeve	Blank

**◆PART NUMBER**

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