

BXF SERIES

Load Life : 105°C 10000 hours

•20mm height Max.

RoHS
compliance



◆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+100µA (After 1 minute application of rated voltage) I=Leakage Current(µA)			I=0.02CV+25µA (After 5 minutes application of rated voltage) C=Capacitance(µF) V=Rated Voltage(Vdc)		
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	160	200	250	350	400 450
		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°C, the capacitors shall meet the following requirement.					
	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.				
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)	160	200	250	350	400 450
	Z(-25°C)/Z(20°C)	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

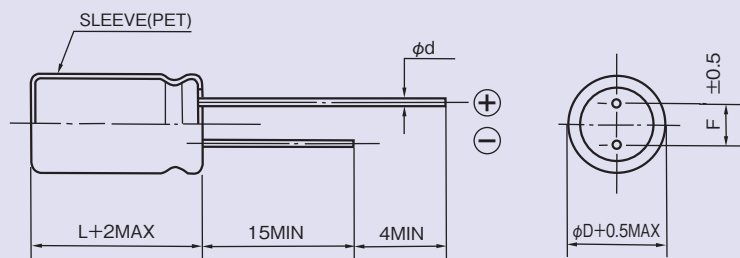
	Code
PET Sleeve	Blank

◆PART NUMBER

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

◆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