

**BXC SERIES**
**Load Life : 105°C 8000~12000 hours**

\*For LED Lighting.

 RoHS  
compliance

**◆SPECIFICATIONS**

Items	Characteristics										
Category Temperature Range	-25~+105℃										
Rated Voltage Range	160~500Vdc										
Capacitance Tolerance	±20%(20℃,120Hz)										
Leakage Current(MAX)	CV≤1000					CV>1000					I=Leakage Current(μA)
	I=0.1CV+40μA (1minute)					I=0.04CV+100μA (1minute)					C=Capacitance(μF)
	I=0.03CV+15μA (5minutes)					I=0.02CV+25μA (5minutes)					V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	160	200	250	350	400	450	500	(20℃,120Hz)		
	tanδ	0.15	0.15	0.15	0.20	0.20	0.20	0.24			
Endurance	After applying rated voltage with rated ripple current for specified time at 105℃, the capacitors shall meet the following requirements.										
	Capacitance Change		Within ±20% of the initial value.								
	Dissipation Factor		Not more than 200% of the specified value.								
	Leakage Current		Not more than the specified value.								
									Case Size	Life Time (hrs)	
									8×11.5, 10×12.5	8000	
									10×16, 10×20	10000	
									φD≥12.5	12000	
											※500Vdc:10000hrs
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)		160	200	250	350	400	450	500	(120Hz)	
	Z(-25℃)/Z(20℃)		3	3	3	6	6	6	6		

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency (Hz)		120	1k	10k	100k ≤
Coefficient	1~5.6µF	0.20	0.40	0.80	1.00
	6.8~18µF	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**

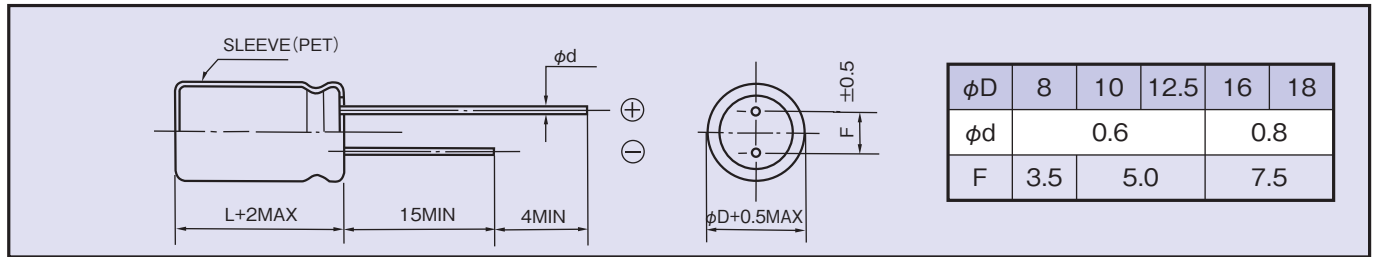
	Code
PET Sleeve	EFC

**◆PART NUMBER**

<input type="text"/>	BXC	<input type="text"/>	M	<input type="text"/>	<input type="text"/>	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(μF)	160		200		250		350	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
4.7					8×11.5	160	10×12.5	150
5.6							10×12.5	180
6.8					10×12.5	250	10×16	280
10	10×16	320	10×16	320	10×16	320	10×20	350
18							10×20	350
22	10×20	500	10×20	500	10×16 10×20	470 500	12.5×20	650
33	10×20	650	10×20	650	12.5×16 12.5×20	760 800	16×20	900
47	10×20	750	12.5×20	980	12.5×20	980	16×20	1080
56					12.5×20 18×16	1080 960		
68	12.5×20	1180	12.5×25 16×20	1300	12.5×25 16×20	1300	18×25	1470
82			16×20	1380	12.5×30 16×20	1500 1440	18×25	1530
100	12.5×25 16×20	1420	16×20	1420	16×25 18×20	1530 1440		
120					18×20	1500		
150	16×25	1890	16×25	1890	18×25	1960		
220	18×25	2370	18×25	2370				

Vdc Cap(μF)	400		450		500	
	Size	Ripple	Size	Ripple	Size	Ripple
1	8×11.5 10×12.5	60 70				
1.5	8×11.5 10×12.5	90 100				
1.8	8×11.5 10×12.5	95 120				
2.2	8×11.5 10×12.5	95 140				
3.3	10×12.5 10×16	150 180				
4.7	10×16	220	10×16 10×20	180 220		
5.6	10×16	250	10×16 10×20	200 250		
6.8	10×16	280	10×16 10×20	230 280		
8.2			10×20	280		
10	10×20	350	10×20 12.5×16 12.5×20	330 360 450	12.5×20	320
15	12.5×20	550	12.5×20 12.5×25 16×16	450 600	12.5×25 16×20	440
22	12.5×25 16×20	760	12.5×25 16×20	600 730	12.5×35 16×25 18×20	560
33	16×20	900	16×20 16×25 18×20	730 980 780	16×31.5 18×25	700
47	16×25 18×20	1180	18×25	1200	18×31.5	880
68	18×25	1470				

# Mouser Electronics

Authorized Distributor

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## Rubycon:

[450BXC10MEFC12.5X20](#) [250BXC4R7MEFC8X11.5](#) [400BXC47MEFC18X20](#) [500BXC33MEFC16X31.5](#)  
[400BXC1R8MEFC8X11.5](#) [450BXC22MEFC12.5X25](#) [200BXC47MEFC12.5X20](#) [500BXC33MEFC18X25](#)  
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[500BXC15MEFC16X20](#) [400BXC1R8MEFC10X12.5](#) [250BXC56MEFC12.5X20](#) [350BXC47MEFC16X20](#)  
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[350BXC10MEFC10X20](#) [400BXC6R8MEFC10X16](#) [160BXC10MEFC10X16](#) [400BXC2R2MEFC8X11.5](#)  
[400BXC3R3MEFC10X16](#) [450BXC15MEFC16X16](#) [350BXC18MEFC10X20](#) [250BXC33MEFC12.5X16](#)  
[350BXC5R6MEFC10X12.5](#) [500BXC22MEFC16X25](#) [450BXC33MEFC18X20](#) [400BXC1R5MEFC8X11.5](#)  
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