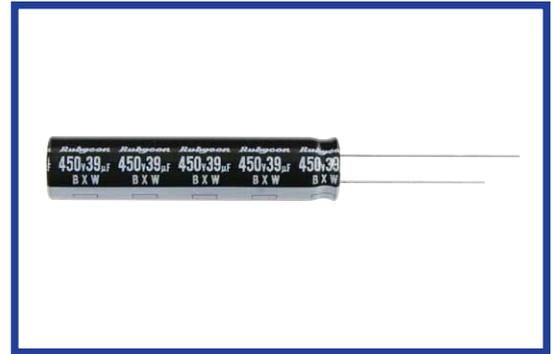


BXW SERIES
105°C Long Life (10000 hours), Ultra Miniaturized
◆FEATURES

- Load Life : 105°C 10000 hours.
- Smaller size than the current TXW series.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25~+105°C								
Rated Voltage Range	400~450V.DC								
Capacitance Tolerance	±20% (20°C, 120Hz)								
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Capacitance(μ F) V =Rated Voltage(V)								
(tan δ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>400</td> <td>420~450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.20</td> <td>0.25</td> <td></td> </tr> </table>	Rated Voltage (V)	400	420~450	(20°C, 120Hz)	tan δ	0.20	0.25	
Rated Voltage (V)	400	420~450	(20°C, 120Hz)						
tan δ	0.20	0.25							
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% 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> </table>	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.		
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.								
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>400~450</td> <td>(120Hz)</td> </tr> <tr> <td>$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage (V)	400~450	(120Hz)	$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$	8			
Rated Voltage (V)	400~450	(120Hz)							
$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$	8								

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)		60(50)	120	500	1k	10k	100k \leq
Coefficient	400~450VV	0.80	1.00	1.30	1.50	1.90	2.00

◆OPTION

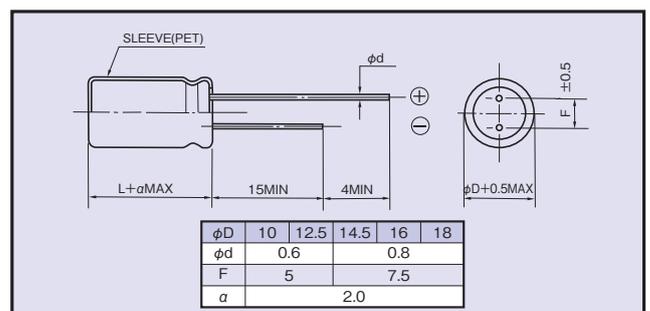
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	BXW	□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Rated Voltage (V.DC)	Capacitance (μF)	Size φD×L (mm)	Ripple Current(A r.m.s. 105°C)	
			120Hz	100kHz
400	18	10×20	0.22	0.44
	27	10×25	0.29	0.58
	27	12.5×20	0.29	0.58
	33	10×30	0.34	0.68
	39	10×35	0.39	0.78
	39	12.5×25	0.37	0.74
	39	14.5×20	0.35	0.70
	47	10×40	0.44	0.88
	56	10×45	0.50	1.00
	56	12.5×30	0.47	0.94
	56	14.5×25	0.46	0.92
	56	16×20	0.42	0.84
	68	12.5×35	0.55	1.10
	68	14.5×30	0.54	1.08
	68	16×25	0.51	1.02
	68	18×20	0.47	0.94
	82	12.5×40	0.62	1.24
	82	14.5×35	0.63	1.26
	100	12.5×50	0.74	1.48
	100	14.5×40	0.72	1.44
	100	16×30	0.66	1.32
	100	18×25	0.62	1.24
	120	14.5×45	0.82	1.64
	120	16×35	0.76	1.52
120	18×30	0.73	1.46	
150	16×45	0.93	1.86	
150	18×35	0.87	1.74	
180	16×50	1.05	2.10	
180	18×40	0.99	1.98	
220	18×50	1.13	2.26	
420	15	10×20	0.19	0.38
	22	10×25	0.25	0.50
	27	10×30	0.29	0.58
	27	12.5×20	0.27	0.54
	33	10×35	0.34	0.68
	33	12.5×25	0.33	0.66
	33	14.5×20	0.31	0.62
	39	10×40	0.39	0.78
	39	16×20	0.35	0.70
	47	10×45	0.44	0.88
	47	12.5×30	0.41	0.82
	47	14.5×25	0.40	0.80
	56	12.5×35	0.47	0.94
	56	14.5×30	0.48	0.96
	56	16×25	0.46	0.92
	56	18×20	0.42	0.84

Rated Voltage (V.DC)	Capacitance (μF)	Size φD×L (mm)	Ripple Current(A r.m.s. 105°C)		
			120Hz	100kHz	
420	68	12.5×45	0.58	1.16	
	82	12.5×50	0.66	1.32	
	82	14.5×40	0.59	1.18	
	82	16×30	0.58	1.16	
	82	18×25	0.56	1.12	
	100	14.5×45	0.72	1.44	
	100	16×35	0.67	1.34	
	100	18×30	0.67	1.34	
	120	16×40	0.77	1.54	
	120	18×35	0.77	1.54	
	150	16×50	0.92	1.84	
	150	18×40	0.90	1.80	
	180	18×45	1.00	2.00	
	450	15	10×20	0.19	0.38
		18	10×25	0.23	0.46
		22	10×30	0.27	0.54
		22	12.5×20	0.25	0.50
		27	10×35	0.32	0.64
27		14.5×20	0.29	0.58	
33		10×40	0.36	0.72	
33		12.5×25	0.33	0.66	
39		10×45	0.41	0.82	
39		12.5×30	0.38	0.76	
39		14.5×25	0.38	0.76	
39		16×20	0.35	0.70	
47		12.5×35	0.44	0.88	
47		18×20	0.39	0.78	
56		12.5×40	0.51	1.02	
56		14.5×30	0.48	0.96	
56		16×25	0.45	0.90	
68		12.5×45	0.58	1.16	
68		14.5×35	0.55	1.10	
68		16×30	0.54	1.08	
68	18×25	0.57	1.14		
82	14.5×40	0.63	1.26		
82	16×35	0.62	1.24		
100	14.5×50	0.75	1.50		
100	16×40	0.72	1.44		
100	18×30	0.66	1.32		
120	16×45	0.81	1.62		
120	18×35	0.76	1.52		
150	18×45	0.95	1.90		
180	18×50	1.05	2.10		