

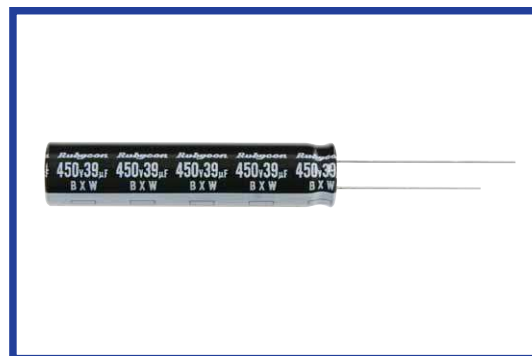
BXW SERIES

NEW

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) $I=(\mu A)$ Leakage Current $C=(\mu F)$ Rated Capacitance $V=(V)$ Rated Voltage								
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>400</td> <td>420~450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.2</td> <td>0.25</td> <td></td> </tr> </table>	Rated Voltage	400	420~450	(20°C, 120Hz)	tanδ	0.2	0.25	
Rated Voltage	400	420~450	(20°C, 120Hz)						
tanδ	0.2	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.		
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Dissipation Factor	Not more than 200% of the specified value.								
Leakage Current	Not more than the specified value.								
Low Temperature Stability Impedance Ration(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>400~450</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage	400~450	(120Hz)	Z(-25°C)/Z(20°C)	8			
Rated Voltage	400~450	(120Hz)							
Z(-25°C)/Z(20°C)	8								

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency Coefficient

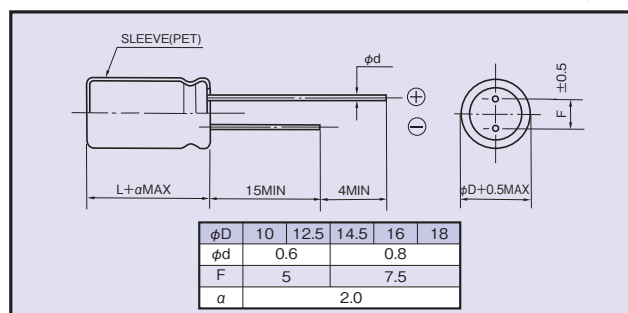
(Hz) Frequency	60(50)	120	500	1k	10k	100k≤
Coefficient	0.80	1.00	1.30	1.50	1.90	2.0

◆ **OPTION**

	Code
PET Sleeve	EFC

◆ **DIMENSIONS**

(mm)



◆ **PART NUMBER**

□□□ **BXW** □□□ **M** □□□ □□ **DXL**
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆STANDARD SIZE

Rated Voltage (V.DC)	Rated Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)
400	18	10×20	0.22
	27	10×25	0.29
	27	12.5×20	0.29
	33	10×30	0.34
	39	10×35	0.39
	39	12.5×25	0.37
	39	14.5×20	0.35
	47	10×40	0.44
	56	10×45	0.50
	56	12.5×30	0.47
	56	14.5×25	0.46
	56	16×20	0.42
	68	12.5×35	0.55
	68	14.5×30	0.54
	68	16×25	0.51
	68	18×20	0.47
	82	12.5×40	0.62
	82	14.5×35	0.63
	100	12.5×50	0.74
	100	14.5×40	0.72
	100	16×30	0.66
	100	18×25	0.62
	120	14.5×45	0.82
	120	16×35	0.76
	120	18×30	0.73
	150	16×45	0.93
150	18×35	0.87	
180	16×50	1.05	
180	18×40	0.99	
220	18×50	1.13	
420	15	10×20	0.19
	22	10×25	0.25
	27	10×30	0.29
	27	12.5×20	0.27
	33	10×35	0.34
	33	12.5×25	0.33
	33	14.5×20	0.31
	39	10×40	0.39
	39	16×20	0.35
	47	10×45	0.44
	47	12.5×30	0.41
	47	14.5×25	0.40
	56	12.5×35	0.47
	56	14.5×30	0.48
	56	16×25	0.45
	56	18×20	0.42

◆STANDARD SIZE

Rated Voltage (V.DC)	Rated Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)	
420	68	12.5×45	0.54	
	82	12.5×50	0.64	
	82	14.5×40	0.59	
	82	16×30	0.58	
	82	18×25	0.55	
	100	14.5×45	0.72	
	100	16×35	0.67	
	100	18×30	0.66	
	120	16×40	0.77	
	120	18×35	0.76	
	150	16×50	0.92	
	150	18×40	0.88	
	180	18×45	1.00	
	450	15	10×20	0.19
		18	10×25	0.23
		22	10×30	0.27
22		12.5×20	0.25	
27		10×35	0.32	
27		14.5×20	0.29	
33		10×40	0.36	
33		12.5×25	0.33	
39		10×45	0.41	
39		12.5×30	0.38	
39		14.5×25	0.38	
39		16×20	0.35	
47		12.5×35	0.44	
47		18×20	0.39	
56		12.5×40	0.51	
56		14.5×30	0.48	
56		16×25	0.45	
68		12.5×45	0.58	
68		14.5×35	0.55	
68		16×30	0.54	
68	18×25	0.51		
82	14.5×40	0.63		
82	16×35	0.62		
100	14.5×50	0.75		
100	16×40	0.72		
100	18×30	0.66		
120	16×45	0.81		
120	18×35	0.76		
150	18×45	0.94		
180	18×50	1.05		