

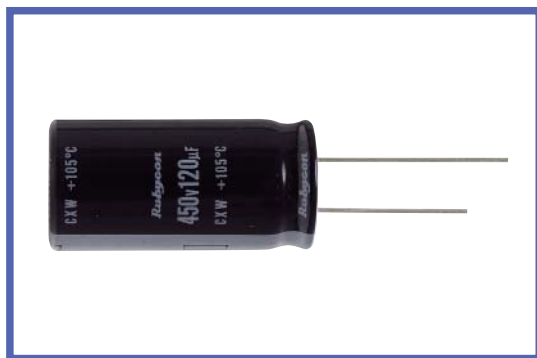


**CXW SERIES**

**NEW**

◆ **FEATURES**

- Load Life : 105°C 5000 hours.
- Body diameter of φ10mm to φ18mm with high ripple current capability.
- This series is smaller and longer life than the current KXW series.
- RoHS compliance.



◆ **SPECIFICATIONS**

Items	Characteristics						
Category Temperature Range	-25 ~ +105°C						
Rated Voltage Range	400, 420, 450V.DC						
Capacitance Tolerance	± 20%(20°C, 120Hz)						
Leakage Current(MAX)	$I = 3\sqrt{CV}$ (After 5 minutes application of rated voltage) $I = \text{Leakage Current}(\mu\text{A})$ $C = \text{Rated Capacitance}(\mu\text{F})$ $V = \text{Rated Voltage}(V)$						
Dissipation Factor(MAX) (tanδ)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>400~450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.2</td> <td></td> </tr> </table>	Rated Voltage (V)	400~450	(20°C, 120Hz)	tanδ	0.2	
Rated Voltage (V)	400~450	(20°C, 120Hz)					
tanδ	0.2						
Endurance	After applying rated voltage with rated ripple current for 5000hrs 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.						
Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</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 (V)	400~450	(120Hz)	Z(-25°C)/Z(20°C)	8	
Rated Voltage (V)	400~450	(120Hz)					
Z(-25°C)/Z(20°C)	8						

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency(Hz)	60	120	500	1k	10k ≤
Coefficient	0.8	1.00	1.25	1.40	1.50

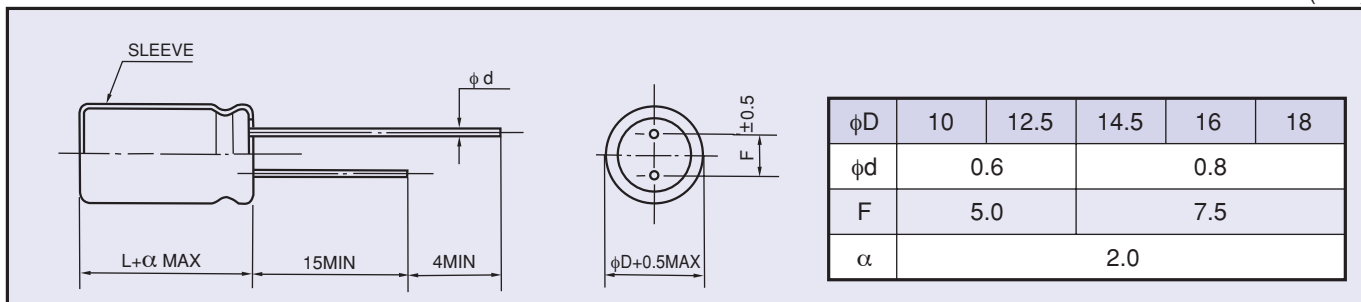
◆ **PART NUMBER**

   **CXW**              **EFC**         **DxL**  
 Rated Voltage    Series    Rated Capacitance    Capacitance Tolerance    Option    Lead Forming    Case Size



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

WV Cap (μF)	400					420								
	φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18				
39	10×40	0.37				10×40	0.36							
47	10×45	0.42				10×50	0.43							
56	10×50	0.47					12.5×40	0.48						
68		12.5×40	0.54				12.5×40	0.52	14.5×31.5	0.52				
82		12.5×45	0.61	14.5×31.5	0.57		12.5×45	0.59	14.5×35	0.59				
100		12.5×50	0.68	14.5×40	0.69	16×31.5	0.71		14.5×40	0.67	16×31.5	0.69		
120			14.5×45	0.79	16×35	0.80			14.5×45	0.75	16×35	0.78	18×31.5	0.8
150					16×40	0.92	18×31.5	0.89			16×45	0.94	18×35	0.92
180					16×50	1.08	18×40	1.06			16×50	1.05	18×40	1.04
220							18×45	1.20					18×50	1.22

WV Cap (μF)	450							
	φ10	φ12.5	φ14.5	φ16	φ18			
33	10×40	0.34						
39	10×45	0.38						
47		12.5×40	0.44					
56		12.5×40	0.49					
68		12.5×45	0.55	14.5×31.5	0.52			
82		12.5×50	0.62	14.5×40	0.63	16×31.5	0.64	
100			14.5×45	0.71	16×35	0.73		
120			14.5×50	0.79	16×40	0.82	18×31.5	0.80
150					16×50	0.98	18×40	0.97
180							18×45	1.09
220							18×50	1.22

Size φD×L(mm)  
Ripple Current (A r.m.s./105°C, 120Hz)