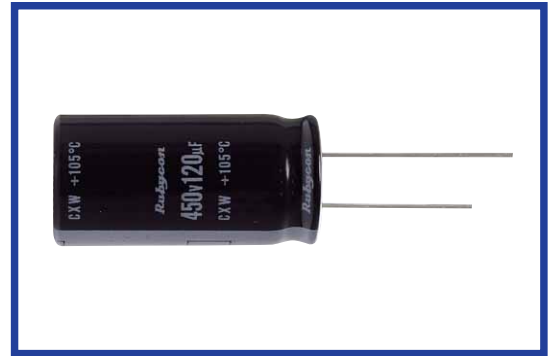


**CXW SERIES**
**105°C Long Life(5000 hours),Ultra Miniaturized**
**◆FEATURES**

- Load Life : 105°C 5000 hours.(Temperature Range:-40°C~+105°C)
- Body diameter of  $\phi 10\text{mm}$  to  $\phi 18\text{mm}$  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	-40~+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( $\mu\text{A}$ ) $C$ =Capacitance( $\mu\text{F}$ ) $V$ =Rated Voltage(V)							
Dissipation Factor(MAX) ( $\tan\delta$ )	0.2 (20°C, 120Hz)							
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <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" style="margin-left: 20px;"> <tr> <td>Rated Voltage (V)</td> <td>400</td> <td>420, 450</td> <td rowspan="2">(120Hz)</td> </tr> <tr> <td><math>Z(-25^\circ\text{C})/Z(20^\circ\text{C})</math></td> <td>5</td> <td>6</td> </tr> </table>	Rated Voltage (V)	400	420, 450	(120Hz)	$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	5	6
Rated Voltage (V)	400	420, 450	(120Hz)					
$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	5	6						

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency (Hz)	60(50)	120	500	1k	10k $\leq$
Coefficient	0.8	1.00	1.25	1.40	1.50

**◆OPTION**

	Code
PET Sleeve (-40~+105°C)	EFR ※

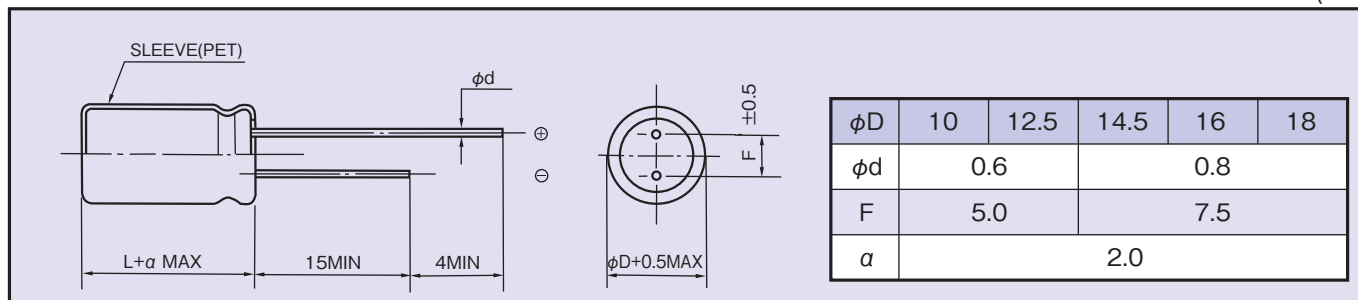
※PET Sleeve -25~+105°C(EFC) is also available, please consult our sales offices.

**◆PART NUMBER**

<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
Rated Voltage	CXW Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (V.DC)	Capacitance ( $\mu F$ )	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)
400	39	10×40	0.37
	47	10×45	0.42
	56	10×50	0.47
	68	12.5×40	0.54
	82	12.5×45	0.61
	82	14.5×31.5	0.57
	100	12.5×50	0.68
	100	14.5×40	0.69
	100	16×31.5	0.71
	120	14.5×45	0.79
	120	16×35	0.80
	150	16×40	0.92
	150	18×31.5	0.89
	150	18×40	1.05
	180	16×50	1.08
180	18×40	1.06	
420	220	18×45	1.20
	39	10×40	0.36
	47	10×50	0.43
	56	12.5×40	0.48
	68	12.5×40	0.52
	68	14.5×31.5	0.52
	82	12.5×45	0.59
	82	14.5×35	0.59
	100	14.5×40	0.67
	100	16×31.5	0.69
	120	14.5×45	0.75
	120	16×35	0.78
	120	18×31.5	0.80
	150	16×45	0.94
	150	18×35	0.92
180	16×50	1.05	
180	18×40	1.04	
220	18×50	1.22	

Rated Voltage (V.DC)	Capacitance ( $\mu F$ )	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)
450	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
	68	14.5×31.5	0.52
	82	12.5×50	0.62
	82	14.5×40	0.63
	82	16×31.5	0.64
	100	14.5×45	0.71
	100	16×35	0.73
	120	14.5×50	0.79
	120	16×40	0.82
	120	18×31.5	0.80
	120	18×40	0.85
	150	16×50	0.98
	150	18×40	0.97
	180	18×45	1.09
220	18×50	1.22	