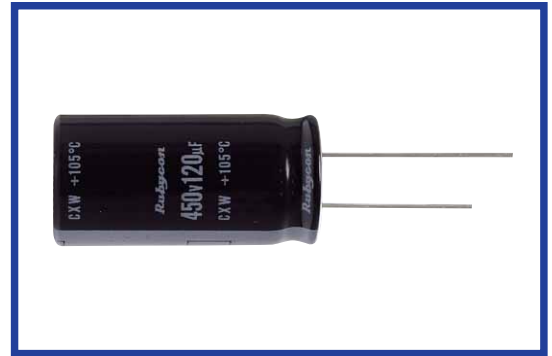


CXW SERIES
105°C Long Life(5000 hours),Ultra Miniaturized
◆FEATURES

- Load Life : 105°C 5000 hours.
- 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	-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(μA) C =Capacitance(μF) V =Rated Voltage(V)						
($\tan\delta$) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>400~450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>$\tan\delta$</td> <td>0.2</td> <td></td> </tr> </table>	Rated Voltage (V)	400~450	(20°C, 120Hz)	$\tan\delta$	0.2	
Rated Voltage (V)	400~450	(20°C, 120Hz)					
$\tan\delta$	0.2						
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"> <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		60(50)	120	500	1k	10k \leq
Coefficient	400~450WV	0.8	1.00	1.25	1.40	1.50

◆OPTION

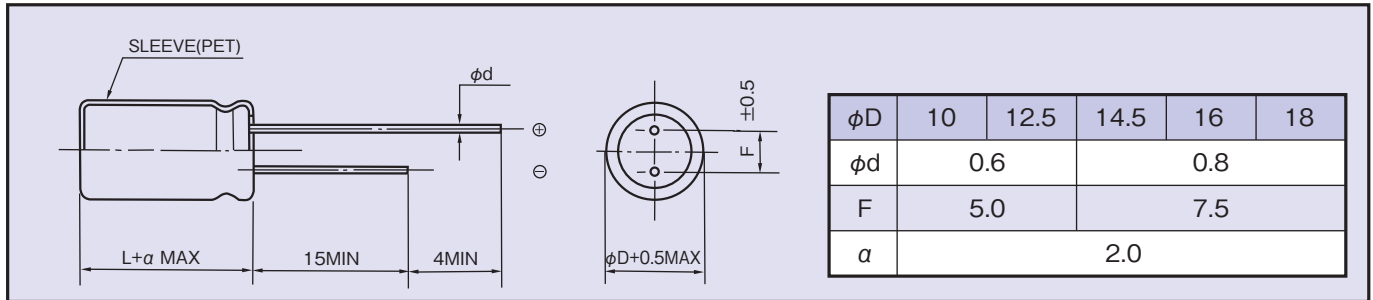
	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (V.DC)	Capacitance (μF)	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 (μF)	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
	150	16×50	0.98
	150	18×40	0.97
180	18×45	1.09	
220	18×50	1.22	