

CXW SERIES

105°C 5000 hours, Ultra Miniaturized

•Temperature Range : -40°C~+105°C

RoHS
compliance



◆SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-40~+105℃											
Rated Voltage Range	400~500Vdc											
Capacitance Tolerance	±20%(20℃,120Hz)											
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)											
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (Vdc)</td><td>400~450</td><td>500</td></tr><tr><td>tanδ</td><td>0.20</td><td>0.25</td></tr></table>	Rated Voltage (Vdc)	400~450	500	tanδ	0.20	0.25	(20℃, 120Hz)				
Rated Voltage (Vdc)	400~450	500										
tanδ	0.20	0.25										
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td colspan="2">Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="2">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="2">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><tr><td>Rated Voltage (Vdc)</td><td>400</td><td>420~500</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>5</td><td>6</td></tr></table>	Rated Voltage (Vdc)	400	420~500	Z(-25℃)/Z(20℃)	5	6	(120Hz)				
Rated Voltage (Vdc)	400	420~500										
Z(-25℃)/Z(20℃)	5	6										

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient	0.80	1.00	1.25	1.40	1.50

◆OPTION

	Code
PET Sleeve (-40~+105°C)	EFR ※

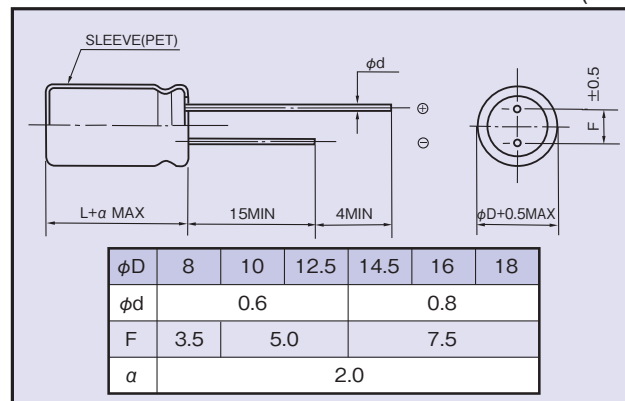
※PET Sleeve -25~+105°C(EFC) is also available, please consult our sales offices.

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s./105°C,120Hz)
400	15	8×25	0.16
	18	8×30	0.19
	22	8×35	0.22
	27	8×40	0.25
	33	8×45	0.29
	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
420	12	8×25	0.10
	15	8×30	0.12
	18	8×35	0.16
	22	8×40	0.19
	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 (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s./105°C,120Hz)
450	10	8×25	0.12
	12	8×30	0.14
	15	8×35	0.16
	18	8×40	0.18
	22	8×50	0.22
	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
	82	16×35	0.60
	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
500	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
	82	16×45	0.61

※Additional multiplier for ripple current

Frequency (Hz)	50k≤
Coefficient	2.00

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