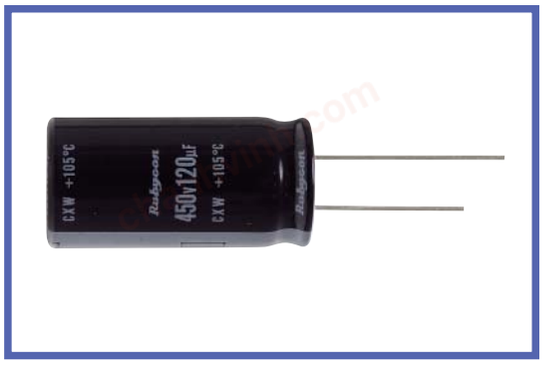
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Rubycon **MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS** **CXW**

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√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V) 400～450 / tanδ 0.2 (20°C,120Hz)
Endurance	After applying rated voltage with rated ripple current for 5000hrs at 105°C, the capacitors shall meet the following requirements. 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.
Impedance Ratio(MAX)	Rated Voltage (V) 400～450 / Z(−25°C)/Z(20°C) 8 (120Hz)

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◆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	□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

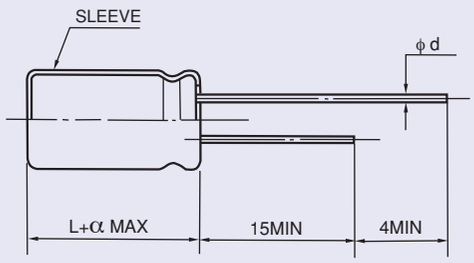
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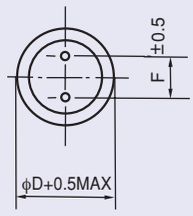
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MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS CXW

◆DIMENSIONS

(mm)





ϕD	10	12.5	14.5	16	18
ϕd	0.6		0.8		
F	5.0		7.5		
α	2.0				

◆STANDARD SIZE

WV / Cap (μF) \ ϕD	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) \ ϕD	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)

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