

CDF SERIES

Electrolytic capacitors for rapid strobe flash applications.

◆FEATURES

- Long life under rapid charge and discharge use.
- RoHS compliance.

◆CAUTION

CDF series is designed, manufactured and intended solely for use in signal light with strobe-flash.

This is not intended for use in medical equipment.

Rubycon Corporation, Rubycon America, Inc., and Shin-Ei Capacitor Foil Company, Ltd. expressly disclaim any warranties or representations as to the suitability or fitness of this capacitor for use in medical equipment.



◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-25 ~ +70°C	
Rated Voltage Range	360V.DC	450V.DC
Withstand Voltage	390V.DC	500V.DC
Capacitance Tolerance	-10 ~ + 20% (25°C, 120Hz)	
Leakage Current(MAX)	I=3 √CV (After 5 minutes application of rated voltage) I= Leakage Current (μ A) V= Rated Voltage (V) C= Rated Capacitance (μ F)	
Dissipation Factor(MAX) (tanδ)	0.07 (25°C, 120Hz)	
Charge and Discharge	Charge and discharge at rated voltage at 45°C in every 1 second for 1 million times via Xe flash tube.	
	Capacitance Change	Within ±10% of the initial value.
	Dissipation Factor	Not more than 150% of the specified value.
	Leakage Current	Not more than 200% of the specified value.
Shelf Life	Storage without voltage applied at 70°C for 500 hours and measured at 25°C ±5°C after voltage processing in JIS C 5102 item 4.4	
	Capacitance Change	Within ±10% of the initial value.
	Dissipation Factor	Not more than 150% of the specified value.
	Leakage Current	Not more than 300% of the specified value.

◆STANDARD SIZE

Cap (μ F)	WV ϕ D	360				450			
		ϕ 22	ϕ 25	ϕ 30	ϕ 35	ϕ 22	ϕ 25	ϕ 30	ϕ 35
40						22 x 35			
50						22 x 40	25 x 35		
60		22 x 30				22 x 50	25 x 39		
80		22 x 40	25 x 30				25 x 45		
100		22 x 50	25 x 39				25 x 55	30 x 45	
120			25 x 45					30 x 51	
150			25 x 51	30 x 41				30 x 51	35 x 45
200				30 x 45				30 x 65	35 x 56
300				30 x 65	35 x 51				35 x 66
400					35 x 66				

↑ Case Size ϕ D^{+1MAX} x L⁺² (mm)