

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)	$I=3\sqrt{CV}$ (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 (μF)	WV φD	360				450			
		φ 22	φ 25	φ 30	φ 35	φ 22	φ 25	φ 30	φ 35
40						22 × 35			
50						22 × 40	25 × 35		
60	22 × 30					22 × 50	25 × 39		
80	22 × 40	25 × 30					25 × 45		
100	22 × 50	25 × 39					25 × 55	30 × 45	
120		25 × 45						30 × 51	
150		25 × 51	30 × 41					30 × 51	35 × 45
200			30 × 45					30 × 65	35 × 56
300			30 × 65	35 × 51					35 × 66
400				35 × 66					

↑ Case Size φ D^{+1MAX} × L^{±2} (mm)