

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(μA) V =Rated Voltage(V) C =Rated Capacitance(μF)							
(tanδ) Dissipation Factor(MAX)	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. <table border="1" style="width:100%; margin-top:10px;"> <tr> <td>Capacitance Change</td> <td>Within ±10% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 200% of the specified value.</td> </tr> </table>		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.
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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 5101-4 item 4.1. <table border="1" style="width:100%; margin-top:10px;"> <tr> <td>Capacitance Change</td> <td>Within ±10% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 300% of the specified value.</td> </tr> </table>		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.
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◆ STANDARD SIZE

Cap(μF)	WV φ D	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)