

CDF SERIES

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℃ | |
| Rated Voltage Range | 360Vdc | 450Vdc |
| Withstand Voltage | 390Vdc | 500Vdc |
| Capacitance Tolerance | -10~+20% (25℃, 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) | |
| (tanδ) Dissipation Factor(MAX) | 0.07 (25℃,120Hz) | |
| Charge and Discharge | Charge and discharge at rated voltage at 45℃ 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℃ for 500 hours and measured at 25℃±5℃ after voltage processing in JIS C 5101-4 item 4.1. | |
| | 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) | 360 | | | | 450 | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 22 | 25 | 30 | 35 | 22 | 25 | 30 | 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 $\phi D^{+1\text{MAX}} \times L^{\pm 2}$ (mm)