

## 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)<br>I= Leakage Current ( μ A)      V= Rated Voltage (V)      C= Rated Capacitance ( μ F) |  |
| Dissipation Factor(MAX)<br>(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<br>( $\mu$ F) | WV<br>$\phi$ D | 360       |           |           |           | 450       |           |           |           |
|-------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                   |                | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 35 | $\phi$ 22 | $\phi$ 25 | $\phi$ 30 | $\phi$ 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  $\phi$  D<sup>+1MAX</sup> x L<sup>+2</sup> (mm)