

Features

- Load Life : 125°C 2000 hours.
- For high density mounting.



SPECIFICATION

| Item | Characteristic | | | | | |
|--|--|-----------------------------------|------|---|------|------|
| Operation Temperature Range | -40 ~ +125°C | | | | | |
| Rated Working Voltage | 10 ~ 50VDC | | | | | |
| Capacitance Tolerance (120Hz 20°C) | ±20%(M) | | | | | |
| Leakage Current (20°C) | I ≤ 0.01CV or 3 (μA) *Whichever is greater after 2 minutes | | | I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) | | |
| Surge Voltage (20°C) | W.V. | 10 | 16 | 25 | 35 | 50 |
| | S.V. | 13 | 20 | 32 | 44 | 63 |
| Dissipation Factor (tan δ) (120Hz 20°C) | W.V. | 10 | 16 | 25 | 35 | 50 |
| | tan δ | 0.32 | 0.24 | 0.21 | 0.18 | 0.18 |
| Low Temperature Stability | Impedance ratio at 120Hz | | | | | |
| | Rated Voltage (V) | 10 | 16 | 25 | 35 | 50 |
| | -25°C / +20°C | 4 | 3 | 2 | 2 | 2 |
| | -40°C / +20°C | 12 | 8 | 6 | 4 | 4 |
| Load Life | After 2000 hours application of W.V. and +125°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage) | | | | | |
| | Capacitance Change | ≤ ±30% of initial value | | | | |
| | Dissipation Factor | ≤ 300% of initial specified value | | | | |
| | Leakage current | ≤ initial specified value | | | | |
| Shelf Life | At +125°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment) | | | | | |
| Resistance to Soldering Heat | Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature. | | | | | |
| | Capacitance Change | ≤ ±10% of initial value | | | | |
| | Dissipation Factor | ≤ initial specified value | | | | |
| | Leakage current | ≤ initial specified value | | | | |

DIMENSIONS (mm)

| D | L | A | H | I | W | P | K |
|------|------|-----|---------|-----|----------|-----|-----------|
| 8.0 | 10.2 | 8.3 | 10.0MAX | 3.4 | 0.90±0.2 | 3.1 | 0.70±0.20 |
| 10.0 | 10.2 | 8.3 | 12.0MAX | 3.5 | 0.90±0.2 | 4.6 | 0.70±0.20 |



