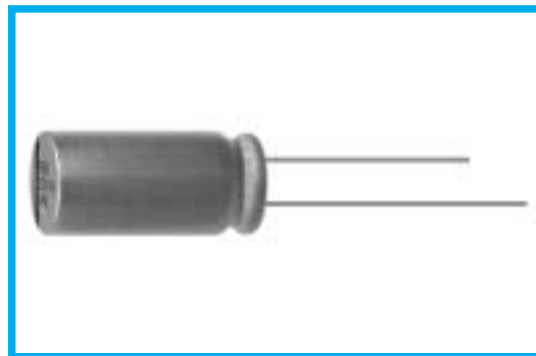


RX50 SERIES
Load Life : 150°C 1000 hours.
◆FEATURES

- Solution for high temperature application such as automobile electronics.
- RoHS compliance.


◆SPECIFICATIONS

| Items | Characteristics | |
|---|--|--|
| Category Temperature Range | -40~+150°C | |
| Rated Voltage Range | 10~63V.DC | |
| Capacitance Tolerance | ±20% (20°C, 120Hz) | |
| Leakage Current(MAX) | I=0.01CV or 3 μA whichever is greater. (After 5 minutes application of rated voltage) | |
| | I=Leakage Current(μA) | C=Rated Capacitance(μF) V=Rated Voltage(V) |
| Dissipation Factor(MAX) (tan δ) | Rated Voltage (V) | 10 16 25 35 50 63 (20°C, 120Hz) |
| | tan δ | 0.20 0.16 0.14 0.12 0.12 0.11 |
| Endurance | After applying rated voltage with rated ripple current for 1000hrs at 150°C, the capacitors shall meet the following requirements. | |
| | Capacitance Change | Within ±30% of the initial value. |
| | Dissipation Factor | Not more than 300% of the specified value. |
| | Leakage Current | Not more than the specified value. |
| Low Temperature Stability Impedance Ratio(MAX) | Rated Voltage (V) | 10 16 25 35 50 63 (120Hz) |
| | Z(-25°C)/Z(20°C) | 2 2 2 2 2 2 |
| | Z(-40°C)/Z(20°C) | 4 4 4 4 4 4 |

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

| Frequency (Hz) | 60(50) | 120 | 1k | 10k | 100k≤ |
|----------------|--------|------|------|------|-------|
| 47~220 μF | 0.30 | 0.40 | 0.75 | 0.92 | 1.00 |
| 330~1000 μF | 0.40 | 0.50 | 0.80 | 0.95 | 1.00 |

◆PART NUMBER

| | | | | | | |
|---------------|--------|-------------------|-----------------------|--------|--------------|-----------|
| □□□ | RX50 | □□□□□ | □ | □□□ | □□ | DXL |
| Rated Voltage | Series | Rated Capacitance | Capacitance Tolerance | Option | Lead Forming | Case Size |

