



ALUMINUM ELECTROLYTIC CAPACITOR

TYPE RN

NON-POLARIZED FOR REVERSING POLARITY CIRCUITS, RADIAL LEADS

FEATURES:

- Suitable for reversing DC or AC circuits which make the polarity unstable



SPECIFICATIONS:

| Item | Type RN | | | | | | | | | |
|--|---|------|------|------|------|------|------|------|-----|------|
| Operating Temperature Range | -40 to +85 | | | | | | | | | |
| Capacitance tolerance | ±20% at 120 Hz, 20 | | | | | | | | | |
| Leakage Current (I=DC Current in μ A max.) | I = 0.02CV + 3 μ A , measured after 5 minutes application of rated working voltage. Where, C =Rated Capacitance (μ F) V =Rated Working Voltage (V DC) | | | | | | | | | |
| Working Voltage (DC) | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | 100V | | |
| Surge Voltage (DC) | 8V | 13V | 20V | 32V | 40V | 63V | 79V | 125V | | |
| Dissipation Factor (tan δ) max. at 120 Hz | 0.24 | 0.20 | 0.17 | 0.15 | 0.12 | 0.10 | 0.10 | 0.10 | | |
| Impedance Ratio at Low Temperature at 120 Hz | W.V. | | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | 100V |
| | Z@ -25 / Z@ +20 | | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| | Z@ -40 / Z@ +20 | | 8 | 6 | 6 | 4 | 4 | 3 | 3 | 3 |
| Load Life Test (after 1000 hours application of the rated voltage, at 85 °C) | The capacitor shall meet following limits: Capacitance Change ±20% of initial value Leakage Current specified maximum value Dissipation Factor 200% of specified maximum value | | | | | | | | | |
| Shelf Life Test (after 1000 hours exposing at 85 °C without voltage applied) | The capacitor shall meet following limits: Capacitance Change ±20% of initial value Leakage Current specified maximum value Dissipation Factor 200% of specified maximum value | | | | | | | | | |