



Aluminum Electrolytic Capacitors

+85°C Low Leakage, Axial Lead

FEATURES

Small size - High voltage - General purpose

APPLICATIONS

Inverters – DC link – AC/DC motor controls – Solar inverters

| | | | | | | | | | | | | | | |
|---|-----------------------|---|----------------------------------|------------|------------|-----------|------------|-------------------------|------------|------------|------------|------------|--|--|
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | | | | |
| Capacitance Tolerance | | ±20% at 120 Hz, 20°C | | | | | | | | | | | | |
| Surge Voltage | WVDC | 10 | 16 | 25 | 35 | 50 | | | | | | | | |
| | SVDC | 13 | 20 | 32 | 44 | 63 | | | | | | | | |
| Dissipation Factor | WVDC | 10 | 16 | 25 | 35 | 50 | | | | | | | | |
| | Tan δ | .2 | .16 | .14 | .12 | .1 | | | | | | | | |
| Leakage Current | | 2 Minutes | | | | | | | | | | | | |
| | | .002CV or 0.4uA, Whichever is greater | | | | | | | | | | | | |
| Low Temperature Stability Impedance Ratio (120 Hz) | WVDC | 10 | 16 | 25 | 35 | 50 | | | | | | | | |
| | -25°C to +20°C | 3 | 2 | 2 | 2 | 2 | | | | | | | | |
| | -40°C to +20°C | 8 | 6 | 4 | 3 | 3 | | | | | | | | |
| Load Life | | 2000 hours at 105°C with rated WVDC and ripple current applied | | | | | | | | | | | | |
| | | Capacitance Change | ≤20% of initial measured value | | | | | | | | | | | |
| | | Dissipation Factor | ≤150% of maximum specified value | | | | | | | | | | | |
| | | Leakage Current | ≥100% of maximum specified value | | | | | | | | | | | |
| Shelf Life | | 1000 hours at 105°C with no voltage applied | | | | | | | | | | | | |
| | | Capacitance Change | ≤20% initial measured value | | | | | | | | | | | |
| | | Dissipation Factor | ≤200% of maximum specified value | | | | | | | | | | | |
| | | Leakage Current | ≥100% of maximum specified value | | | | | | | | | | | |
| Ripple Current Multipliers | | Capacitance | Frequency (Hz) | | | | | Temperature (°C) | | | | | | |
| | | uF | 50 | 120 | 400 | 1k | 10k | 50k | +85 | +70 | +60 | +30 | | |
| | | C≤10 | .8 | 1.0 | 1.3 | 1.45 | 1.65 | 1.7 | 1.0 | 1.3 | 1.5 | 1.8 | | |
| | | 10<C≤100 | .8 | 1.0 | 1.23 | 1.36 | 1.48 | 1.53 | 1.0 | 1.3 | 1.5 | 1.8 | | |



| | | | |
|---|-----|-----|-----|
| D | 5 | 6.3 | 8 |
| d | 0.5 | 0.5 | 0.6 |
| B | 0.5 | 0.5 | 0.5 |

$L_1 = L + 1.0\text{mm Max.}$ mm
 $D_1 = D + B \text{ Max.}$

