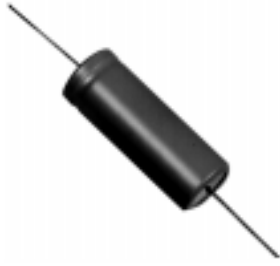


Type TC Axial Leaded Aluminum Electrolytic Capacitors

85 °C, High Ripple, General Purpose Capacitor



Type TC is an axial leaded, 85 °C, 1000 hour long life general purpose aluminum electrolytic capacitor with a high ripple current rating and is suitable for consumer electronic equipment applications.

Highlights

- General purpose
- High ripple current
- Low profile mounting

Specifications

Capacitance Range:	1.0 to 5,000 μ F
Voltage Range:	16 to 450 WVdc
Capacitance Tolerance:	Dia. < .625, \pm 20% Dia. \geq .625 16 to 150 WVdc, -10 +75% 250 to 450 WVdc, -10 +50%
Operating Temperature Range:	-40 °C to 85 °C
DC Leakage Current:	$I = 6 \sqrt{CV}$ after 5 minutes Not to exceed 3 mA @ 25 °C I = leakage current in μ A C = Capacitance in μ F V = Rated voltage

Ripple Current Multipliers:

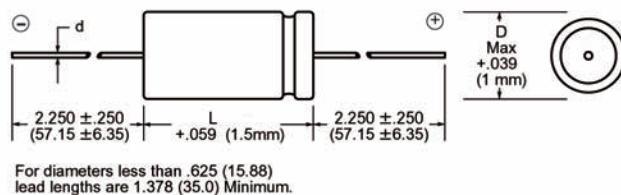
Rated WVdc	Ripple Multipliers			
	60 Hz	400 Hz	1000 Hz	2400 Hz
0 to 50	0.8	1.05	1.10	1.14
51 to 150	0.8	1.08	1.13	1.16
151 & up	0.8	1.15	1.21	1.25

Ambient Temp.	+45 °C	+55 °C	+65 °C	+75 °C	+85 °C
Ripple Multiplier	2.2	2.0	1.7	1.4	1.0

QA Stability Test:

- Apply WVdc for 1,000 h at 85 °C
- Capacitance change \leq 15% from initial limits
 - DC leakage current meets initial limits
 - ESR \leq 150% of initial measured value

Outline Drawing



Parts are supplied with PVC insulating sleeve.
Add .010" to diameter and .125" max to length to allow for insulation.

