



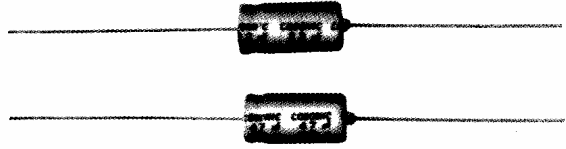
# ALUMINUM ELECTROLYTIC CAPACITOR

## TYPE TL

### LOW LEAKAGE, MINIATURE STANDARD SIZE, AXIAL LEADS

#### FEATURES:

- Miniature standard size
- Low leakage suitable to use in constant time circuits



#### SPECIFICATIONS:

Item	Type TL							
Operating Temperature Range	-40 to +85							
Capacitance tolerance	±20% at 120 Hz, 20							
Leakage Current (I=DC current in μ A max.)	I 0.002CV or 1 μ A whichever is greater, (a current limiting resistor of 1k shall be connected in series while test), measured after 2 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	
Surge Voltage (DC)	8V	13V	20V	32V	40V	63V	79V	
Dissipation Factor (tan δ) max. at 120 Hz	0.24	0.20	0.17	0.15	0.12	0.10	0.10	
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V	63V
	Z@ -25 / Z@ +20	3	3	2	2	2	2	2
	Z@ -40 / Z@ +20	6	6	6	4	4	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							