



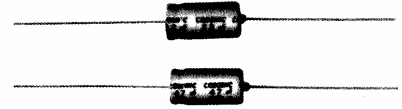
# ALUMINUM ELECTROLYTIC CAPACITOR

## TYPE TN

### NON-POLARIZED FOR REVERSING POLARITY CIRCUITS, AXIAL LEADS

#### FEATURES:

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



#### SPECIFICATIONS:

Item	Type TN								
Operating Temperature Range	-40 to +85								
Capacitance tolerance	±20% at 120 Hz, 20								
Leakage Current (I=DC Current in $\mu$ A max.)	I $\leq$ 0.02CV + 3 $\mu$ A , measured after 5 minutes application of rated working voltage. Where, C =Rated Capacitance ( $\mu$ 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 ( $\tan \delta$ ) 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 )	The capacitor shall meet following limits: Capacitance Change $\pm$ 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 without voltage applied)	The capacitor shall meet following limits: Capacitance Change $\pm$ 20% of initial value Leakage Current specified maximum value Dissipation Factor 200% of specified maximum value								