



# ALUMINUM ELECTROLYTIC CAPACITOR

## TYPE T, TF

### MINIATURE STANDARD SIZE, AXIAL LEADS



#### FEATURES:

- **Type T** -- Miniature Standard size, axial leads
- **Type TF** -- Miniature Standard size, axial leads with longer load life

#### SPECIFICATIONS:

Item	Type T					Type TF			
Life (at 85°C)	1000 Hours					2000 Hours			
Operating Temperature Range	-40°C to +85°C								
Capacitance tolerance	±20% at 120 Hz, 20°C								
Leakage Current (I=DC Current in $\mu$ A max.)	$I \leq 0.01CV + 3 \mu A$ , measured after 3 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	44V	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	0.08	
(For capacitance exceeds 1000 $\mu$ F, the value of $\tan \delta$ is increased by 0.02 for every additional 1000 $\mu$ F.)									
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V	63V	100V
	Z@ -25°C / Z@ +20°C	4	3	2	2	2	2	2	2
	Z@ -40°C / Z@ +20°C	8	6	6	4	4	3	3	3
Load Life Test (at 85°C) (after the designated hours of application of the rated voltage)	<b>Type T for 1000 hours</b>					<b>Type TF for 2000 hours</b>			
	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current $\leq$ specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value								
Shelf Life Test (after the designated hours exposing at 85°C without voltage applied)	<b>Type T for 500 hours</b>					<b>Type TF for 1000 hours</b>			
	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current $\leq$ specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value								