



ALUMINUM ELECTROLYTIC CAPACITOR

TYPE R, RF

MINIATURE STANDARD SIZE FOR GENERAL USE, RADIAL LEADS

FEATURES:

- **Type R** -- Miniature size for general purpose
- **Type RF** -- Miniature size for general purpose with longer load life



SPECIFICATIONS:

Item	Type R				TYPE RF				
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 μ A max.)	$I \leq 0.01CV + 3 \mu A$, measured after 3 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	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	0.14	0.12	0.10	0.10	0.08	
(For capacitance exceeds 1000 μ F, the value of $\tan \delta$ is increased by 0.02 for every additional 1000 μ 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)	Type R for 1000 hours				Type RF for 2000 hours				
	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current \leq specified maximum value Dissipation Factor $\leq 150\%$ of specified maximum value								
Shelf Life Test (after the designated hours exposing at 85°C without voltage applied)	Type R for 500 hours				Type RF for 1000 hours				
	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								