



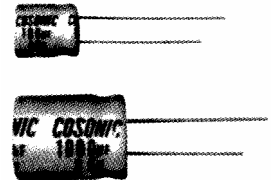
# ALUMINUM ELECTROLYTIC CAPACITOR

## TYPE RL

### LOW LEAKAGE CURRENT, MINIATURE STANDARD SIZE, RADIAL LEADS

#### FEATURES:

- Low Leakage Current, Miniature Standard size suitable to use in constant time circuits



#### SPECIFICATIONS:

Item	Type RL							
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 0.4 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 ) max. at 120 Hz	0.24	0.20	0.17	0.15	0.12	0.10	0.10	
(For capacitance exceeds 1000 µ F, the value of tan 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
	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 )	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 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							