

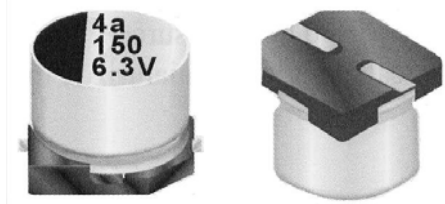


# ALUMINUM ELECTROLYTIC CAPACITOR

## TYPE V3

**SURFACE MOUNT TYPE, 85°C 2000 HOURS**

**5.5MM, 8MM HEIGHT**



### SPECIFICATIONS:

Item	Characteristic						
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.)	$I \leq 0.01CV$ or $3 \mu A$ , whichever is greater, measured after 2 minutes application of rated working voltage. Where, C =Rated Capacitance ( $\mu$ F) V =Rated Working Voltage (V DC)						
Dissipation Factor ( $\tan \delta$ ) max at 120 Hz, 20°C	W. V.	6.3V	10V	16V	25V	35V	50V
	Tan $\delta$ (max)	0.42	0.32	0.26	0.18	0.14	0.12
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V
	Z@ -25°C / Z@ +20°C	4	3	2	2	2	2
	Z@ -40°C / Z@ +20°C	8	8	5	5	4	4
Load Life Test (restore to 20°C, after 2000 hours application of the rated voltage, at 85°C)	The capacitor shall meet following limits: Capacitance Change $\leq \pm 30\%$ of initial value Dissipation Factor $\leq 300\%$ of specified maximum value Leakage Current $\leq$ specified maximum value						
Shelf Life Test (restore to 20°C, after 1000 hours exposing at 85°C without voltage applied)	Same test results as of load life test						
Ripple Current & Frequency Multipliers	w.v. \ Freq	50 Hz	120 Hz	1KHz	10KHz up		
	Under 16V	0.8	1.0	1.15	1.25		
	25V~ 35V	0.8	1.0	1.25	1.40		
	50V ~ 63V	0.8	1.0	1.35	1.50		
Standards	Satisfies Characteristic of JIS C 5101-1, -18						