ALUMINUM ELECTROLYTIC CAPACITOR

TYPE VS

SURFACE MOUNT TYPE, 105℃ 1000 HOURS

5.5MM HEIGHT

SPECIFICATIONS:

Item	Characteristic						
Operating Temperature Range	-55℃ to +105℃						
Capacitance tolerance	±20% at 120 Hz, 20℃						
Leakage Current (I=DC Current in μA max.)	I≦0.01CV or 3μA , whichever is greater, measured after 2 minutes application of rated working voltage. Where, C =Rated Capacitance (μF) V =Rated Working Voltage (V DC)						
Dissipation Factor (tan δ) max at 120 Hz, 20℃	W. V.	6.3V	10V	16V	25V	35V	50V
	Tan δ (max)	0.30	0.26	0.22	0.16	0.13	0.12
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V
	Z@ -25℃ / Z@ +20℃	4	3	2	2	2	2
	Z@ -40℃ / Z@ +20℃	8	5	4	3	3	3
Load Life Test (restore to 20℃, after 1000 hours application of the rated voltage at 105℃)	The capacitor shall meet following limits: Capacitance Change ≦±20% of initial value Dissipation Factor ≦ 200% of specified maximum value Leakage Current ≦ specified maximum value						
Shelf Life Test (restore to 20℃, after 1000 hours exposing at 85℃ 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	0.8	1.0	1.35	1.50

Standards	Satisfies Characteristic of JIS C 5101-1, -18