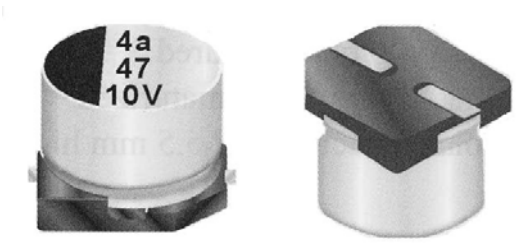
ALUMINUM ELECTROLYTIC CAPACITOR

TYPE VL

SURFACE MOUNT TYPE 105℃ 2000 HOURS, 6MM 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)	0.32	0.28	0.24	018	0.15	0.14
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 2000 hours application of the rated voltage at 105℃)			
	The capacitor shall meet following limits:		
	Capacitance Change	6.3V	≦±30% of initial value
		10 ~16V	≦±25% of initial value
		25 ~ 100V	≦±20% of initial value
	Dissipation Factor	6.3 ~16V	≦±300% of specified value
		25 ~ 100V	≦±200% of specified value
	Leakage Current	≦ specified maximum value	

Shelf Life Test (restore to 20℃, exposing 1000 hours at 105℃without voltage applied)	Same test results as of load life test

Ripple Current & Frequency Multipliers	w.v. \ Freq		50/60 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	0.1~ 0.33μF	0.5	1.0	1.35	1.50
		4.7~ 10μF	0.7	1.0	1.35	1.50

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