ALUMINUM ELECTROLYTIC CAPACITOR

TYPE VB

SURFACE MOUNT TYPE, BI-POLAR

SPECIFICATIONS:

Item	Characteristic							
Operating Temperature Range	-40℃ to +85℃							
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)	4φ	0.35	0.30	0.25	0.25	0.25	0.25
		5~6.3φ	0.30	0.25	0.20	0.15	0.15	0.15
Impedance Ratio at Low Temperature at 120 Hz	W.V.		6.3V	10V	16V	25V	35V	50V
	Z@ -25℃ / Z@ +20℃		3	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 85℃)	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							