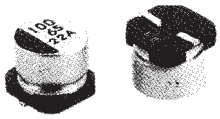
ALUMINUM ELECTROLYTIC CAPACITORS
VEJ Series: Surface Mount Type, 105°C

FEATURES

- •105°C,2000 hours assured
- •Replaces RVJ Series
- •RoHs Compliant



SPECIFICATIONS

Item	Performance									
Operating Temp. Range	-55°C ~ + 105°C									
Capacitance Tolerance	± 20% (120Hz, 20°C)									
Leakage Current (at 20•C)	I=0.01CV or 3μA (whichever is smaller) after 2 minutes, where C=rated capacitance in μF and V = rated working Voltage									
Dissipation Factor	Rated Voltage	6.3	10	16	25	35	50			
Tan δ at 120 Hz, 20°C	Tan δ (max)	0.42	0.32	0.26	0.18	0.14	0.12			
Low Temperature Characteristics (at 120Hz)	Rated Voltage		6.3	10	16	25	35	50		
	Impedance Ratio Maximum	Z(-25°C) /Z(+20°C)	4	3	2	5	2	2		
		Z(-40°C) /Z(+20°C)	8	8	5	2	4	4		
Life Test	Test Time		Load Life					Shelf Life		
			2000 Hrs					1000 Hrs		
	Capacitance Change		Within ± 30% of initial value					Within ± 30% of initial value		
	Dissipation Factor		Less than 200% of specified value					Less than 200% of specified value		
	Leakage Current		Within specified value					Within specified value		
	Test Conditions		20°C (after rated voltage applied for 2000 hours at 105°C					20° C (after storage for 1000 hours at 105°C without voltage)		
Ripple Current & Frequency Multipliers	VDC(V) \ Freq. (Hz)		50 / 60	120	1K	10K up				
	Under 16		0.80	1.0	1.15	1.25				
	25 ~ 35		0.8	1.0	1.25	1.40				
	50 ~ 63		0.8	1.0	1.35	1.50				
	100		0.7	1.0	1.35	1.50				
Standards	Satisfies Characteristic W of JIS C 5101-1, 18									

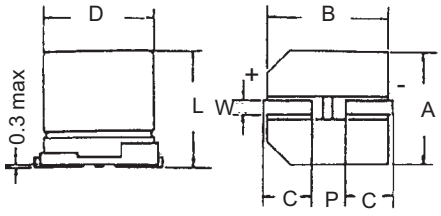
DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current mA/rms at 120 Hz, 85°C

μF \ VDC	Contents	6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)		100V (2A)	
		φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA
10	100															8 x 10	99
22	220											8 x 6.5	110	8 x 10	99	10 x 10	160
33	330									8 x 6.5	110	8 x 10	178	10 x 10	160		
47	470							8 x 6.5	110	8 x 10	178	8 x 10	178	10 x 10	160		
100	101			8 x 6.5	110	8 x 6.5 8 x 10	110 178	8 x 10	178	10 x 10	324	10 x 10	324				
220	221	8 x 10	178	8 x 10	178	10 x 10	324	8 x 10 10 x 10	240 324	10 x 10	324						
330	331	8 x 10	178	10 x 10	324	10 x 10	324	10 x 10	324								
470	471	10 x 10	324	10 x 10	324	10 x 10	324										

PAD SPACING AND DIAMETER

φ D±0.5	L±0.5	A±0.2	B±0.2	C±0.2	W	P±0.2
8	6.5±8.4	8.4	8.4	3.4	0.5 to 0.8	2.3
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7



PART NUMBER EXAMPLE VEJ 101 M 1E TR 080 100