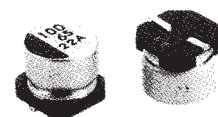


### FEATURES

- 85°C, 2000 hours assured
- 5.5 mm, maximum height
- Replaces SME and RV2 Series
- RoHS Compliant



### SPECIFICATIONS

Item	Performance												
Operating Temp. Range	-40°C ~ + 85°C												
Capacitance Tolerance	± 20% (120Hz, 20°C)												
Leakage Current (at 20°C)	I=0.01CV or 3μA (whichever is greater) after 2 minutes, where C=rated capacitance in μF and V=rated DC working voltage												
Dissipation Factor Tan δ at 120 Hz, 20°C	Rated Voltage	4	6.3	10	16	25	35	50					
	Tan δ (max)	0.42	0.28	0.24	0.20	0.14	0.12	0.10					
Low Temperature Characteristics (at 120Hz)	Rated Voltage		4	6.3	10	16	25	35	50				
	Impedance Ratio Maximum	Z(-25°C)/Z(+20°C)	7	3	3	2	2	2	2				
		Z(-40°C)/Z(+20°C)	15	8	5	4	3	3	3				
Life Test	Voltage	Test Time	Load Life					Shelf Life					
			2000 Hrs					1000 Hrs					
	Capacitance Change	Within ± 20% of initial value(4WV : ±30%)							Within ± 20% of initial value(4WV : ±30%)				
	Dissipation Factor	Less than 200% of specified value (4WV : 300%)							Less than 200% of specified value (4WV : 300%)				
	Leakage Current	Within specified value							Within specified value				
	Test Conditions	20°C (after rated voltage applied for 2000 hours at 85°C)							20° C (after storage for 1000 hours at 85°C without voltage)				
Ripple Current & Frequency Multipliers	VDC(V) \ Freq. (Hz)	50	120	1K	10K up								
	Under 16	0.80	1.00	1.15	1.25								
	25 ~ 35	0.80	1.00	1.25	1.40								
	50	0.80	1.00	1.35	1.50								
Standards	JIS C 5101-1-18												

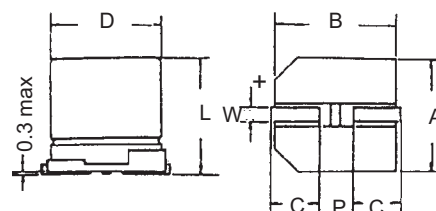
### DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current mA/rms at 120 Hz, 85°C

μF	Code	4V (0G)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		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
0.1	0R1													4 x 5.3	3
0.22	R22													4 x 5.3	5
0.33	R33													4 x 5.3	6
0.47	R47													4 x 5.3	7
1	010													4 x 5.3	10
2.2	2R2													4 x 5.3	15
3.3	3R3													4 x 5.3	19
4.7	4R7									4 x 5.3	19	4 x 5.3	20	5 x 5.3	26
10	100					4 x 5.3	23	4 x 5.3	26	5 x 5.3	32	5 x 5.3	34	6.3 x 5.3	44
22	220			4 x 5.3	31	5 x 5.3	39	5 x 5.3	44	6.3 x 5.3	55	6.3 x 5.3	59		
33	330	4 x 5.3	31	5 x 5.3	44	5 x 5.3	48	6.3 x 5.3	63	6.3 x 5.3	67				
47	470	4 x 5.3	37	5 x 5.3	52	6.3 x 5.3	67	6.3 x 5.3	75						
100	101	5 x 5.3	63	6.3 x 5.3	89	6.3 x 5.3	98	6.3 x 5.3	103						
220	221	6.3 x 5.3	110	6.3 x 5.3	120										

### PAD SPACING AND DIAMETER

φD±0.5	L±0.2	A±0.2	B±0.2	C±0.2	W	P±0.2
4	5.3	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.3	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3	6.6	6.6	2.7	0.5 to 0.8	2.0



### PART NUMBER EXAMPLE VE2 100 M 1E TR 050 053