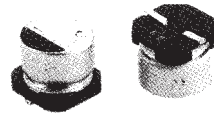


FEATURES

- 105°C, 2000 hours assured.
- Vertical chip type miniaturized for 6.0mm
- Replaces RVL 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 3 A (whichever is greater) after 2 minutes, where C = rated capacitance in F V=rated DC voltage in V										
Dissipation Factor Tan δ at 120 Hz, 20°C	Rated Voltage	6.3	10	16	25	35	50				
	Tan δ (max)	0.32	0.28	0.24	0.18	0.15	0.14				
Low Temperature Characteristics (at 120Hz)	Rated Voltage			6.3	10	16	25	35	50		
	Impedance Ratio	Z(-25°C) / Z(+20°C)			4	3	2	2	2	2	
		Z(-40°C) / Z(+20°C)			8	5	4	3	3	3	
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 300% of specified value					Less than 300% 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	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	0.1~0.33μF	0.50	1.00	1.35	1.50					
		4.7~10μF	0.70	1.00	1.35	1.50					
Standards	JIS C 5101-18-1										

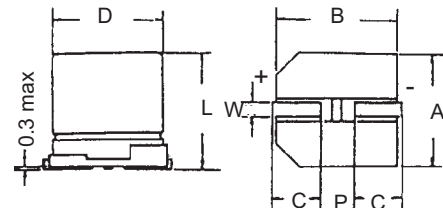
DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current mA/rms at 120 Hz, 105°C

μF	Contents	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA
0.1	0R1											4 x 5.7	2
0.22	R22											4 x 5.7	3
0.33	R33											4 x 5.7	4
0.47	R47											4 x 5.7	5
1.0	010											4 x 5.7	10
2.2	2R2											4 x 5.7	16
3.3	3R3											4 x 5.7	18
4.7	4R7							4 x 5.7	13	4 x 5.7	15	5 x 5.7	22
10	100					4 x 5.7	16	5 x 5.7	23	5 x 5.7	25	6.3 x 5.7	30
22	220					5 x 5.7	30	6.3 x 5.7	38	6.3 x 5.7	50		
33	330					6.3 x 5.7	40	6.3 x 5.7	48				
47	470			6.3 x 5.7	43	6.3 x 5.7	50	6.3 x 5.7	56				
100	101	6.3 x 5.7	61										

PAD SPACING AND DIAMETER

D±0.5	L	A±0.2	B±0.2	C±0.2	W	P±0.2
4	5.7±0.3	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.7±0.3	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.7±0.3	6.3	6.3	2.7	0.5 to 0.8	2.0



PART NUMBER EXAMPLE

VEL 100 M 1C TR 040 057