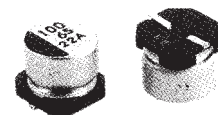


### FEATURES

- 105°C, 1000 hours assured.
- Replaces RVS Series
- Vertical chip type miniaturized for 5.5mm.
- 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 (µA) whichever is greater (after 2 minutes) Where C=rated capacitance in µF and V= rated working voltage							
Dissipation Factor Tan δ at 120 Hz, 20°C	Rated Voltage	6.3	10	16	25	35	50	
	Tan δ (max)	0.30	0.26	0.22	0.16	0.13	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	2	2	2
		Z(-40°C) /Z(+20°C)	8	5	4	3	3	3
Life Test	Test Time		Load Life				Shelf Life	
			1000 Hrs				1000 Hrs	
	Capacitance Change		Within ±20% of initial value				Within ± 20% 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 1000 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		0.80	1.00	1.35	1.50		
Standards	JIS C 5101-1-18							

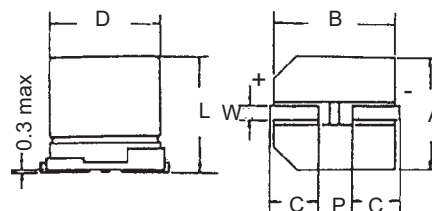
### DIMENSION & PERMISSIBLE RIPPLE CURRENT

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

µF	VDC	Contents	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
0.1	0R1												4 x 5.3	2
0.22	R22												4 x 5.3	3
0.33	R33												4 x 5.3	4
0.47	R47												4 x 5.3	5
1	010												4 x 5.3	7
2.2	2R2												4 x 5.3	10
3.3	3R3												4 x 5.3	12
4.7	4R7								4 x 5.3	12	4 x 5.3	14	5 x 5.3	17
10	100			4 x 5.3	15	4 x 5.3	16	5 x 5.3	21	5 x 5.3	23	6.3 x 5.3	26	
22	220	4 x 5.3	21	5 x 5.3	25	5 x 5.3	28	6.3 x 5.3	36	6.3 x 5.3	50			
33	330	5 x 5.3	30	5 x 5.3	31	6.3 x 5.3	40	6.3 x 5.3	44					
47	470	5 x 5.3	36	6.3 x 5.3	43	6.3 x 5.3	47	6.3 x 5.3	60					
100	101	6.3 x 5.3	61	6.3 x 5.3	65	6.3 x 5.3	70							

### PAD SPACING AND DIAMETER

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



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