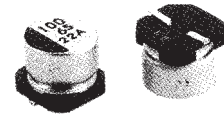


### FEATURES

- 105°C, 3000 hours assured.
- RoHS Compliant



### SPECIFICATIONS

Item	Performance									
Operating Temp. Range	-40°C ~ + 105°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 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	0.20	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)	10	7	5	3	3	3		
Life Test	Test Time		Load Life					Shelf Life		
			3000 Hrs					1000 Hrs		
	Capacitance Change		Within ±30% 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 3000 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				
	6.3 ~ 50		0.70	1.00	1.36	1.50				
Standards	JIS C 5101-1-18									

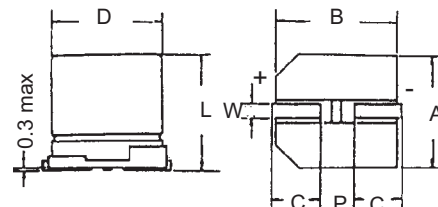
### DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: φD x L (mm)  
Ripple Current mA/rms at 120 Hz, 105°C

μF	VDC	6.3 (0J)		10 (1A)		16 (1C)		25V (1E)		35V (1V)		50V (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 5.7	1
0.22	R22											4 x 5.7	2.6
0.33	R33											4 x 5.7	3.2
0.47	R47											4 x 5.7	5
1	010											4 x 5.7	8
2.2	2R2											4 x 5.7	12
3.3	3R3											4 x 5.7	17
4.7	4R7											4 x 5.7	22
10	100					4 x 5.7	18	5 x 5.7	27	5 x 5.7	27	6.3 x 5.7	32
22	220	4 x 5.7	22	5 x 5.7	30	5 x 5.7	30	6.3 x 5.7	44	6.3 x 5.7	44	6.3 x 7.7	58
33	330	5 x 5.7	35	5 x 5.7	35	6.3 x 5.7	48	6.3 x 5.7	50	6.3 x 7.7	57	8 x 10	140
47	470	5 x 5.7	38	6.3 x 5.7	50	6.3 x 5.7	50	6.3 x 7.7	63	8 x 10	92	8 x 10	170
100	101	6.3 x 5.7	69	6.3 x 7.7	81	6.3 x 7.7	81	8 x 10	116	10 x 10	151	10 x 10	310
220	221	6.3 x 7.7	120	8 x 10	141	10 x 10	216	10 x 10	320	10 x 10	375		
330	331	8 x 10	290	10 x 10	290	10 x 10	290	10 x 10	450				
470	471	10 x 10	320	10 x 10	320	10 x 10	320						
1000	102	10 x 10	410										

### PAD SPACING AND DIAMETER

φD±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	6.6	6.6	2.7	0.5 to 0.8	2.0
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0
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 VEU 100 M 1E TR 050 057