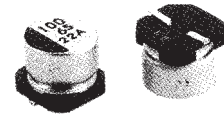


### FEATURES

- 105°C, 1000 hours assured
- Low Impedance
- Smaller size than VEH
- RoHS Compliant



### SPECIFICATIONS

Items	Performance						
Operating Temperature Range	-55°C ~ +105°C						
Capacitance Tolerance	±20% (at 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. V= rated DC working voltage in V.						
Dissipation Factor (Tanδ at 120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50
	Tanδ (max)	0.28	0.24	0.2	0.16	0.14	0.12
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.						
	Rated Voltage		6.3	10	16	25	50
	Impedance Ratio	Z (-25°C)/Z(+20°C)	4	3	2	2	2
Z (-40°C)/Z(+20°C)		8	5	4	3	3	
Load Life Test	Test Time	1,000 Hrs					
	Capacitance Change	Within ±25% of initial value					
	Dissipation Factor	Less than 200% of specified value					
	Leakage Current	Within specified value					
	* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 1,000 hrs at 105°C						
Shelf Life Test	Test Time: 1000 hrs; other items are the same as those for the load life test.						
Ripple Current & Frequency Multipliers	Freq. (Hz)	50, 60	120	1k	10k up		
	V.DC (V)	6.3 ~ 35	0.64	0.8	0.93	1.0	
Standards	JIS C 5101-1						

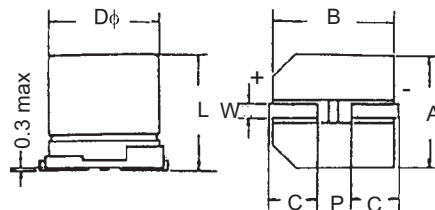
### DIMENSION, IMPEDANCE & PERMISSIBLE RIPPLE CURRENT

Dimension: φD x L(mm)  
Ripple Current mA/rms at 100KHz, 105°C  
Impedance: at 100KHz, 20°C

μF	V.DC	6.3V (0J)			10V (1A)			16V (1C)			25V (1E)			35V (1V)			50V (1H)		
		Contents	φD x L	mA Imp.	φD x L	mA Imp.	φD x L	mA Imp.	φD x L	mA Imp.	φD x L	mA Imp.	φD x L	mA Imp.	φD x L	mA Imp.			
1.0	010															4 x 5.3	30	5.0	
2.2	2R2															4 x 5.3	30	5.0	
3.3	3R3															4 x 5.3	30	5.0	
4.7	4R7															4 x 5.3	30	5.0	
10	100				4 x 5.3	65	3.20	4 x 5.3	65	3.20	5 x 5.3	110	1.50	5 x 5.3	110	1.50	6.3 x 5.3	70	2.0
22	220	4 x 5.3	65	3.20	5 x 5.3	110	1.50	5 x 5.3	110	1.50	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	70	2.0
33	330	5 x 5.3	110	1.50	5 x 5.3	110	1.50	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	170	1.0
47	470	5 x 5.3	110	1.50	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 7.7	255	0.50
100	101	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 5.3	170	0.85	6.3 x 7.7	255	0.50						
150	151	6.3 x 7.7	255	0.50	6.3 x 7.7	255	0.50	6.3 x 7.7	255	0.50									
220	221	6.3 x 7.7	255	0.50	6.3 x 7.7	255	0.50	6.3 x 7.7	255	0.50									

### PAD SPACING AND DIAMETER

φD	L	A	B	C	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
6.3	7.7 ± 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0



### PART NUMBER EXAMPLE VEZ 220 M 1A TR 050 053