

**FEATURES**

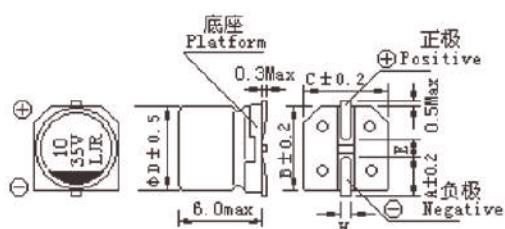
- Load life of 3,000/5,000 hours at 105°C
- Reflow soldering is available
- Available for high density surface mounting

**SPECIFICATIONS**

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C						
Rated Working Voltage Range	6.3 to 50V						
Nominal Capacitance Range	0.1 to 1000μF						
Capacitance Tolerance	±20% at 120Hz, +20°C						
Leakage Current	I ≤ 0.01CV or 3(μA) whichever is greater measure after 2 minutes application of rated working voltage at +20°C						
tanδ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35	50
	tanδ	0.30	0.24	0.20	0.16	0.14	0.14
Low Temperature Characteristics							
Impedance ratio max. at 120Hz							
Working Voltage (V)							
Z-25°C / Z+20°C							
Z-40°C / Z+20°C							
High Temperature Loading							
Test time : 3,000 hours (Φ4~6.3); 5,000 hours (Φ8~10) Post test requirements at +20°C							
Test temperature : +105°C Leakage current : ≤Initial specified value							
Test conditions : Rated DC working voltage Cap. change : within ±30% of the initial measured							
value tanδ : ≤300% of the initial specified value							
Shelf Life							
At +105°C no voltage applied after 1,000 hours and then being stabilized at +20°C the capacitors shall meet the following limits							
Leakage current : ≤Initial specified value							
Cap. change : within ±30% of the initial measured value							
tanδ : ≤300% of the initial specified value							
Industrial Standard							
JIS C - 5101-4 (IEC 60384-4)							

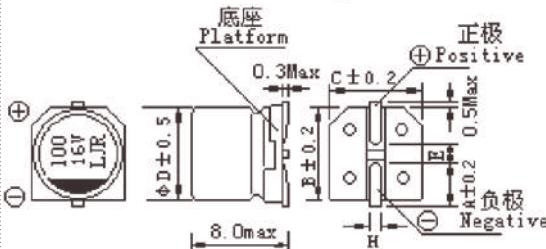
DIMENSIONS & MARKING

(Φ4 ~ Φ6.3 × 6.0)

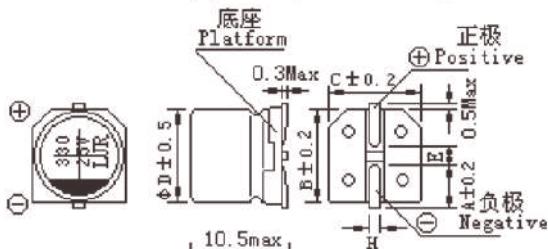


Size	Φ4 x 6.0	Φ5 x 6.0	Φ6.3 x 6.0	Φ6.3 x 8.0	Φ8 x 10.5	Φ10 x 10.5
A	1.8	2.1	2.4	2.5	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
D	4.0	5.0	6.3	6.3	8.0	10.0
E	1.0	1.3	2.2	2.2	3.1	4.5
L	6.0	6.0	6.0	8.0	10.5	10.5
H	0.5 ~ 0.9				0.9 ~ 1.1	

(Φ6.3 × 8.0)



(Φ8 ~ Φ10×10.5)

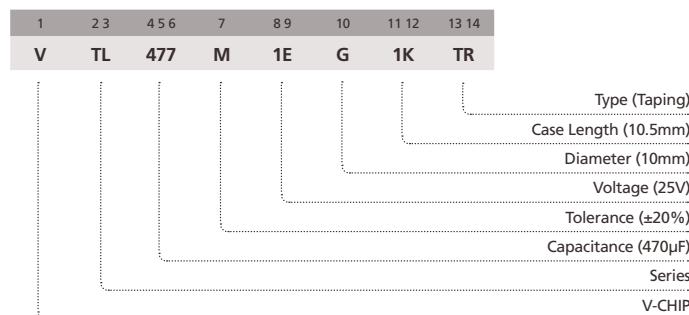




MVT

Series

PART NUMBER SYSTEM (EXAMPLE: 25V 470μF)



STANDARD RATINGS

Voltage (Code)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)	
Cap. (μ F)	Code	Case Size	Ripple Current						
4.7	475							4 x 6.0	13
10	106					4 x 6.0	18	4 x 6.0	20
22	226	4 x 6.0	22	4 x 6.0	27	5 x 6.0	30	6.3 x 6.0	34
33	336	5 x 6.0	30	5 x 6.0	35	6.3 x 6.0	40	6.3 x 6.0	50
47	476	5 x 6.0	38	6.3 x 6.0	48	6.3 x 6.0	50	6.3 x 8.0	63
100	107	6.3 x 6.0	69	6.3 x 8.0	80	6.3 x 8.0	81	6.3 x 8.0	90
220	227	6.3 x 8.0	120	6.3 x 8.0	130	8 x 10.5	115	8 x 10.5	170
330	337	6.3 x 8.0	130	8 x 10.5	180	8 x 10.5	195	10 x 10.5	230
470	477	8 x 10.5	210	8 x 10.5	210	10 x 10.5	260	10 x 10.5	280
1000	108	10 x 10.5	300	10 x 10.5	300				

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L (mm)

Voltage (Code)		35V (1V)		50V (1H)	
Cap. (μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current
0.1	104			4 x 6.0	1.0
0.22	224			4 x 6.0	2.6
0.33	334			4 x 6.0	3.2
0.47	474			4 x 6.0	4.0
1	105			4 x 6.0	8.0
2.2	225			4 x 6.0	11
3.3	335			4 x 6.0	14
4.7	475	4 x 6.0	16	5 x 6.0	19
10	106	5 x 6.0	27	6.3 x 6.0	32
22	226	6.3 x 6.0	44	6.3 x 8.0	58
33	336	6.3 x 8.0	57	6.3 x 8.0	70
47	476	6.3 x 8.0	68	8 x 10.5	124
100	107	8 x 10.5	120	10 x 10.5	200
220	227	10 x 10.5	220	10 x 10.5	230
330	337	10 x 10.5	260		

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size ϕ D x L (mm)