

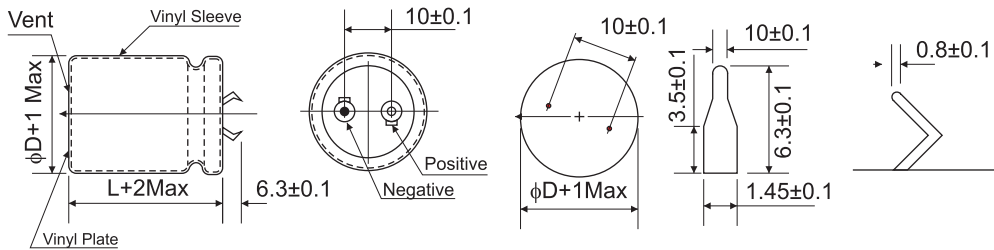
**FEATURES**

- Has a snap-in terminal which can solder to a PCB directly
- Suitable for electronic equipment with high voltage circuits.
- Printed circuit board terminal snap-in type and lug terminal type available.
- Meets UL 94V-0 Flammability
- RoHS Compliant

**SPECIFICATIONS**

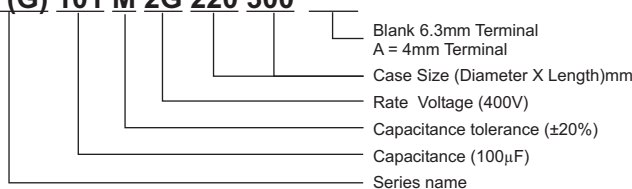
Items	Performance											
	LV			LVG								
Operating Temperature Range	-25°C ~ +85°C			-25°C ~ +105°C								
Capacitance Tolerance	+20% (at 120Hz, 20°C)			+20% (at 120Hz, 20°C)								
Leakage Current (at 20°C)	1=3√CV or 1.5 mA whichever is smaller (after 5 minutes) Where C=rated capacitance in μF V=rated DC working voltage in V											
Dissipation Factor (Tan at 120Hz, 20°C)	Rated Voltage (V)	400	450	400	450							
	Tan (max)	0.15	0.25	0.25	0.25							
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.											
	Rated Voltage (V)	400	450	400	450							
	Impedance Ratio Z(-25°C) / Z(+20°C)	8	12	12	12							
Load Life Test	Test Time	2,000 Hrs										
	Capacitance Change	Within +20% 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 with ripple current applied for 2,000 hrs at 85°C / 105°C.											
Shelf Life Test	Test Time	1,000 Hrs										
	Capacitance Change	Within +20% of initial value										
	Dissipation Factor	Less than 150% of specified value										
	Leakage Current	Within specified value										
	* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hrs at 85°C / 105°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements (Refer to JIS C 5102).											
Ripple Current & Frequency Multipliers	Freq. (Hz)	60	120	500	1k	10k up						
	WV	400 ~ 450	0.8	1.0	1.05	1.10	1.15					
Ripple Current & Temperature Multipliers	Temperature (°C)	40	60	70	85	105	Temperature (°C)	40	60	70	85	105
	Multiplier		1.8	1.4	1.2	1.0	1.0	Multiplier	2.5	2.2	2.0	1.8
Standards	JIS C 5101-4											

**SNAP-IN TERMINAL TYPE - LV/LVG**



**PART NUMBER EXAMPLE**

**LV (G) 101 M 2G 220 300**



**DIMENSIONS & PERMISSABLE RIPPLE CURRENT**

Dimension:  $\phi$  DxL (mm); Ripple Current: A<sub>r</sub>MS at 120 Hz 85°C (LV) / 105°C (LVG)

F	V.DC D	LV Series				LVG Series			
		400V (2G)		450V (2W)		400V (2G)		450V (2W)	
		Size	mA	Size	mA	Size	mA	Size	mA
47	470							22 x 25	0.42
56	560			20 x 25	0.58			22 x 30	0.51
								25 x 25	0.50
68	680	20 x 25	0.71	20 x 30	0.67	22 x 25	0.34	22 x 35	0.61
				22 x 25	0.68			25 x 30	0.59
82	820	20 x 30	0.78	20 x 35	0.76	22 x 30	0.58	22 x 35	0.67
		22 x 25	0.80	22 x 30	0.82			25 x 30	0.65
								30 x 25	0.62
100	101	20 x 30	0.90	20 x 35	0.84	22 x 30	0.64	22 x 40	0.78
		22 x 30	0.94	22 x 35	0.90	25 x 25	0.64	25 x 35	0.76
				25 x 25	0.92			30 x 25	0.69
120	121	20 x 35	1.02	20 x 40	0.94	22 x 35	0.67	22 x 45	0.9
		22 x 30	1.04	22 x 35	1.02	25 x 30	0.69	25 x 40	0.89
		25 x 25	1.08	25 x 30	1.04	30 x 25	0.76	30 x 30	0.81
				30 x 25	1.07			35 x 25	0.72
150	151	20 x 40	1.16	22 x 45	1.12	22 x 40	0.77	25 x 45	1.04
		22 x 35	1.18	25 x 35	1.19	25 x 35	0.78	30 x 35	0.97
		25 x 30	1.21	30 x 30	1.23	30 x 30	0.76	35 x 30	0.86
180	181	22 x 40	1.34	22 x 50	1.26	22 x 45	0.92	25 x 50	1.20
		25 x 35	1.37	25 x 40	1.33	25 x 40	0.81		
		30 x 25	1.45	30 x 30	1.38	30 x 30	0.82		
						35 x 25	0.90		
220	221	22 x 45	1.50	25 x 45	1.51	25 x 45	0.93	30 x 40	1.12
		25 x 35	1.56	30 x 35	1.69	30 x 35	0.91	30 x 45	1.30
		30 x 30	1.58	35 x 30	1.71	35 x 30	1.08	35 x 35	1.00
				30 x 40	1.72			35 x 35	1.11
270	271	25 x 45	1.70	25 x 50	1.65	25 x 50	1.21	30 x 50	1.51
		30 x 35	1.73	30 x 40	1.80	30 x 40	1.10	35 x 45	1.36
				35 x 35	1.81	35 x 35	1.12		
330	331	25 x 50	1.90	30 x 40	1.85	30 x 45	1.39	35 x 50	1.58
		30 x 40	1.97	35 x 35	2.05	35 x 35	1.18		
		35 x 30	1.95	30 x 45	2.02				
390	391	30 x 40	2.15	30 x 50	2.24	30 x 50	1.55		
		35 x 35	2.17			35 x 40	1.27		
470	471	30 x 50	2.39	35 x 40	2.27	35 x 45	1.62		
		35 x 40	2.42						
560	561	35 x 45	2.71	35 x 45	2.55				
680	681	35 x 50	2.95	35 x 50	2.60				