

FEATURES

- Has a snap-in terminal which can solder to a PCB directly and need not fixture to save processing time.
- Suitable for electronic equipment with medium-high voltage circuits.
- Printed circuit board terminal snap-in type and lug terminal type available.

SPECIFICATIONS

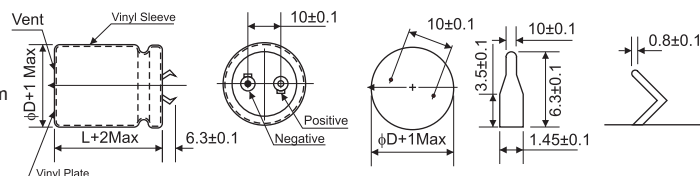
Item	Performance														
Operating Temperature Range	-40°C ~ +105°C														
Capacitance Tolerance	± 20% (120Hz, 20°C)														
Leakage Current (at 20°C)	I = 0.02CV (μA after 2 minutes) Where, C = rated capacitance in μF. V=rated DC working voltage in V.														
Dissipation Factor (Tan δ)	Rated Voltage	16	25	35	50	63	100	160	200	250	350	400	450		
	Tan δ (max)	0.40	0.30	0.25	0.20	0.15	0.15	0.10*	0.10*	0.10*	0.15*	0.15	0.15		
	0.15 for D = 35mm														
Low Temperature Characteristics (at 120Hz)	Rated Voltage		16	25	35	50	63	100	160	200	250	350	400	450	
	Impedance	Z(-25°C)/Z(=20°C)	4	3	3	2	2	2	4	4	4	4	8	8	
	Ratio	Z(-40°C)/Z(=20°C)	15	10	8	6	6	5	4	8	10	16	18	20	
	Impedance ratio shall not exceed the values given in the table above														
Load Life Test (after application of the rated voltage at 85°C/105°C, the polarity inverted every 250 hours.	Test Time		2000 Hrs												
	Capacitance Change		Within ± 20% of initial value												
	Dissipation Factor		Less than 200% of specific value												
	Leakage Current		Within specified values												
	The above specification shall be satisfied when the capacitors are restored to 20°C after rated voltage applied for 2000 hrs at 85°C/105°C														
Shelf Life Test	Test Time		1000 Hrs												
	Capacitance Change		Within ± 20% of initial value												
	Dissipation Factor		Less than 200% of specific value												
	Leakage Current		Within specified values												
	The above specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hrs at 85°C/105°C without voltage applied.														
Ripple Current & Frequency Multipliers	Freq.(Hz) W.V.(V)	60	120	500	1K	10K up									
	Under 100	0.92	1.00	1.13	1.19	1.20									
	160 ~ 250	0.81	1.00	1.32	1.45	1.50									
	350 and up	0.77	1.00	1.30	1.41	1.43									
Ripple Current & Temperature Multipliers	Temperature (°C)	55	70	85	105										
	Multiplier	2.1	1.8	1.5	1.0										
Standards	Satisfies Characteristic W of JIS C 5141														

PART NUMBER EXAMPLE

LSG 101 M 2G 220 300

- Blank 6.3mm Terminal A = 4mm Terminal
- Case Size (Diameter X Length)mm
- Rate Voltage (400V)
- Capacitance tolerance (±20%)
- Capacitance (100μF)
- Series name

SNAP-IN TERMINAL TYPE



DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: Φ DxL (mm); Ripple Current: A/RMS at 120Hz, 85°C

V.D.C. μF ΦD		16V (1C)								25V (1E)								35V (1V)								
		22		25		30		35		22		25		30		35		22		25		30		35		
4700	472									22 x 25	1.50									25 x 25	1.80					
5600	562									22 x 25	1.72							22 x 35	1.95	25 x 60	1.96	30 x 25	2			
6800	682	22 x 25	1.57							22 x 30	1.86	25 x 25	1.87					22 x 40	2.20	25 x 35	2.23					
8200	822	22 x 25	1.94							22 x 35	2.11	25 x 30	2.12	30 x 25	2.15			22 x 50	2.55	25 x 40	2.53	30 x 30	2.75	35 x 25	2.75	
10000	103	22 x 30	1.94	25 x 30	2.12					22 x 40	2.39	25 x 35	2.42							25 x 45	2.87	30 x 35	2.90			
12000	123	22 x 35	2.22	25 x 30	2.24	30 x 25	2.45			22 x 45	2.69	25 x 40	2.74	30 x 30	2.78	35 x 25	2.74			25 x 50	3.24	30 x 40	3.23	35 x 25	2.69	
																								35 x 30	2.99	
15000	153	22 x 40	2.55	25 x 35	2.58							25 x 45	3.15	30 x 35	3.13	35 x 30	3.27					30 x 45	3.72	35 x 25	3.12	
																									35 x 35	3.67
18000	183	22 x 45	2.87	25 x 40	2.92	30 x 30	2.88	35 x 25	2.92			25 x 50	3.54	30 x 40	3.54										35 x 35	4.02
																									35 x 40	4.37
22000	223			25 x 45	3.32	30 x 35	2.29							30 x 45	4.04	35 x 35	3.64					30 x 50	4.71	35 x 40	4.69	
																									35 x 50	4.92

V.D.C. μ _F Φ _D		50V (1H0)								63V (1J)								100V (2A)							
		22		25		30		35		22		25		30		35		22		25		30		35	
1200	122									22 x 25	1.19							22 x 40	1.69	25 x 35	1.71	30 x 25	1.68		
1500	152																	22 x 45	1.94	25 x 40	1.98	30 x 30	1.95	35 x 25	1.98
1800	182	22 x 25	1.33							22 x 25	1.30	25 x 25	1.52							25 x 45	2.23	60 x 35	2.50		
										22 x 30	1.51														
2200	222	22 x 25	1.48							22 x 35	1.73	25 x 25	1.55							25 x 50	2.53	30 x 40	2.70	35 x 30	2.50
											25 x 30	1.74													
2700	272	22 x 30	1.69	25 x 25	1.70					22 x 40	1.97	25 x 35	1.99	30 x 25	1.76							30 x 45	2.88	35 x 35	2.86
3300	323	22 x 35	1.93	25 x 35	1.85					22 x 50	2.29	25 x 40	2.27	30 x 25	2.00	35 x 25	2.06					30 x 50	3.28	35 x 40	3.27
													30 x 30	2.24											
3900	392	22 x 40	2.16	25 x 35	2.18	30 x 25	1.95					25 x 45	2.54	30 x 25	2.18								35 x 45	3.67	
													30 x 35	2.55											
4700	472	22 x 45	2.43			30 x 30	2.25	35 x 25	2.48			25 x 50	2.86	30 x 30	2.48	35 x 30	2.79						35 x 50	3.67	
													30 x 40	2.86											
5600	562	22 x 50	2.75	25 x 40	2.70	30 x 35	2.76							30 x 35	2.78	35 x 35	3.19						35 x 50	3.80	
													30 x 45	3.22											
6800	682			25 x 50	3.30	30 x 40	3.30	35 x 30	3.25					30 x 50	3.65	35 x 40	3.64								
8200	822					30 x 45	3.60	35 x 35	3.55						35 x 46	3.90									
10000	103					30 x 50	4.04	35 x 40	4.03						35 x 50	4.00									
12000	123						35 x 45	4.55																	

DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: $\Phi D \times L$ (mm); Ripple Current: A/RMS at 120Hz, 85°C

Φ

V.D.C. μF ΦD		160V (2C)				200V (2D)				250V (2E)			
		22	25	30	35	22	25	30	35	22	25	30	35
180	181					22 x 25	0.80			22 x 30	0.85	25 x 25	0.85
										22 x 25	0.78		
220	221					22 x 25	0.89			22 x 30	0.82	25 x 25	0.90
										22 x 35	0.90	25 x 30	1.00
270	271	22 x 25	0.86			22 x 30	1.00			22 x 40	1.14		
						22 x 25	0.87	25 x 25	1.00	22 x 35	1.00		
330	331	22 x 30	1.20			22 x 35	1.20	25 x 30	1.21	22 x 45	1.26	25 x 35	1.20
		22 x 25	1.10			22 x 30	1.13	25 x 25	1.13	22 x 40	1.10	25 x 30	1.13
390	391	22 x 35	1.30			22 x 40	1.31			22 x 50	1.49	25 x 40	1.49
		22 x 30	1.22	25 x 25	1.15	22 x 35	1.25	30 x 25	1.20	22 x 45	1.25	25 x 35	1.27
470	471	22 x 40	1.40	25 x 30	1.41	22 x 45	1.40	25 x 35	1.41	30 x 25	1.50	22 x 50	1.57
		22 x 35	1.35	25 x 25	1.33	22 x 40	1.32	25 x 30	1.32			25 x 40	1.38
560	561	22 x 40	1.50	25 x 35	1.51	22 x 50	1.56	25 x 40	1.53	30 x 30	1.52	25 x 45	1.79
			25 x 30	1.45	30 x 25	1.40	22 x 45	1.53	25 x 35	1.50			
680	681	22 x 50	1.71	25 x 40	1.70	30 x 30	1.72	22 x 50	1.74	25 x 45	1.74	30 x 35	1.73
		22 x 45	1.65	25 x 35	1.65	30 x 25	1.65		25 x 40	1.70		35 x 25	1.72
820	821	22 x 50	1.93	25 x 45	2.01	30 x 35	2.00	35 x 30	2.00	25 x 50	2.04	30 x 40	1.93
			25 x 40	1.85	30 x 30	1.76	35 x 25	1.91				30 x 50	2.16
1000	102		25 x 45	2.20	30 x 40	2.22	35 x 35	2.20	22 x 50	2.30			35 x 45
					30 x 35	2.02	35 x 30	2.44			30 x 45	2.20	35 x 35
1200	122		25 x 50	2.45	30 x 45	2.44	35 x 35	2.50			30 x 50	2.60	35 x 40
					30 x 40	2.35							35 x 45
1500	152				30 x 45		35 x 40	2.70			35 x 45	2.58	
											35 x 50	2.80	
1800	182				30 x 50	3.31	35 x 50	3.10			35 x 50	3.47	

V.D.C. μF ΦD		350 (2V)				400V (2G)				400V (2W)			
		22	25	30	35	22	25	30	35	22	25	30	35
56	560									22 x 25	0.40		
68	680	22 x 25	0.51			22 x 30	0.51			22 x 30	0.50	25 x 25	0.50
						22 x 25	0.50						
82	820	22 x 25	0.56			22 x 30	0.58	25 x 25	0.64	22 x 35	0.56		
100	101	22 x 30	0.69	25 x 25	0.69	22 x 35	0.61	25 x 30	0.64	22 x 40	0.64	25 x 30	0.57
		22 x 35	0.75			22 x 40	0.72	25 x 35	0.72	30 x 25	0.76	22 x 45	0.72
120	121					22 x 35	0.67	25 x 30	0.69	25 x 35	0.71		
150	151	22 x 40	0.82	25 x 30	0.83	30 x 25	0.83			22 x 50	0.79	25 x 40	0.75
						22 x 40	0.77	25 x 35	0.78	25 x 40	0.75	30 x 30	0.74
180	181	22 x 45	0.92	25 x 35	0.92	30 x 30	0.92			25 x 45	0.84	30 x 35	0.87
							25 x 40	0.83	30 x 30	0.82	35 x 25	0.90	
220	221	25 x 50	1.05	25 x 40	1.04	30 x 30	1.02	35 x 25	1.04	25 x 45	0.93	30 x 35	0.91
							25 x 50	1.21	30 x 45	1.21	35 x 35	1.12	
270	271		25 x 50	1.18	30 x 35	1.17	35 x 30	1.20		30 x 40	1.10		
			25 x 40	1.00						30 x 45	1.39	35 x 40	1.25
330	331				30 x 45	1.34						30 x 50	1.38
					30 x 40	1.15	35 x 35	1.15		30 x 50	1.55	35 x 45	1.55
390	391				30 x 50	1.51	35 x 40	1.47					35 x 35
					30 x 45	1.25	35 x 35	1.25					35 x 50
470	471					35 x 45	1.69			35 x 50	1.72		35 x 45
						35 x 40	1.34						35 x 50
560	561					35 x 40	1.90						35 x 50
						35 x 45	1.51						2.22