

LS**Snap-in Terminal Type, Standard Series**

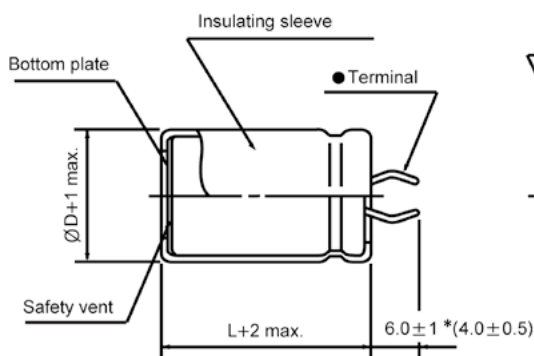
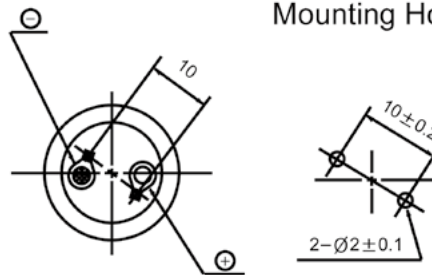
- Standard snap-in terminal type
- Including 550WV products
- Complied to the RoHS directive

Items	Performance characteristics										
Operating temperature range	-40 ~ +85℃ (6.3V~315V); -25 ~ +85℃ (350V~550V)										
Leakage current max.	I=3√CV (μA) (after 5 minutes)										
Capacitance tolerance	±20% at 120Hz, 20℃										
Dissipation factor max. (at 120Hz, 20℃)	WV	6.3	10	16	25	35	50	63	80,100	160~400	450~550
	Tanδ	0.60	0.55	0.50	0.40	0.35	0.30	0.25	0.20	0.15	0.20
Load life (after application of the rated voltage for 2000 hours at 85℃)	Leakage current						Less than specified value				
	Capacitance change						Within ±20% of initial value				
	Tanδ						Less than 200% of specified value				
Shelf life (at 85℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.										

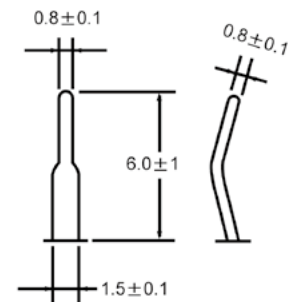
● **DRAWING**

Unit : mm

ØD≤40

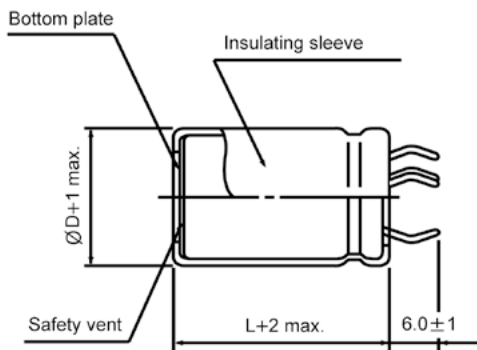
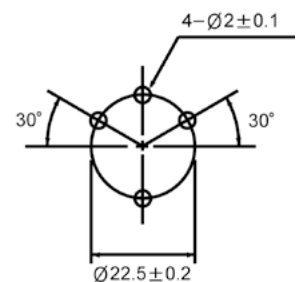
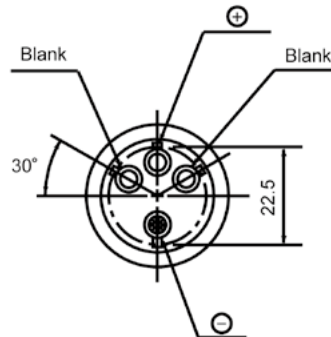
PC Board
Mounting Holes

Terminal



- * Shorter terminal(4.0±0.5) is also available upon request.
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

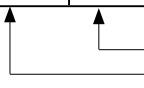
ØD=35, 40

PC Board
Mounting Holes● **FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT**

Frequency WV	50Hz	120Hz	300Hz	1kHz	10kHz≤
~ 100	0.85	1.00	1.06	1.15	1.20
160 ~ 250	0.85	1.00	1.20	1.25	1.45
315 ~	0.85	1.00	1.15	1.20	1.40

LS Series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF	6.3		10		16		25		35		50	
3300											22×30 25×25	2.97 3.06
4700									22×30 25×25	3.06 2.98	22×40 25×35 30×25 35×25	3.83 3.98 3.86 4.19
5600							22×25	2.65	22×35 25×30	3.28 3.39	22×45 25×40 30×30 35×25	4.26 4.44 4.35 4.44
6800							22×30 25×25	3.06 3.15	22×40 25×30 30×25	3.73 3.67 3.76	22×50 25×40 30×35 35×30	4.77 4.76 4.92 5.04
8200							22×35 25×30	3.45 3.57	22×45 25×35 30×30	4.13 4.10 4.22	25×50 30×40 35×30	5.43 5.38 5.26
10000					22×25	3.32	22×40 25×30 30×25	3.95 3.89 3.99	22×50 25×40 30×30	4.68 4.68 4.58	30×45 35×35	6.07 5.97
12000			22×25	3.31	22×30 25×25	3.55 3.89	22×45 25×35 30×30	4.41 4.37 4.50	25×45 30×35 35×30	5.18 5.11 5.24	30×50 35×40	6.62 6.55
15000	22×25	3.39	22×30 25×25	3.42 3.39	22×35 25×30 30×25	4.29 4.45 4.56	22×50 25×40 30×35	4.94 4.94 5.10	30×40 35×35	5.72 5.88	35×45	7.20
18000	22×30 25×25	3.85 3.96	22×35 25×25	4.28 4.17	22×40 25×35 30×30	4.77 4.96 5.10	25×45 30×35 35×30	5.45 5.38 5.51	30×45 35×40	6.28 6.46	35×50 40×40	7.74 7.62
22000	22×35 25×25	4.34 4.22	22×40 25×30 30×25	4.79 4.71 4.83	22×50 25×40 30×30	5.51 5.51 5.39	30×45 35×35	6.22 6.12	35×45 40×40	7.07 7.20	40×50	8.54
27000	22×40 25×30 30×25	4.85 4.77 4.89	22×45 25×35 30×30	5.30 5.26 5.41	25×45 30×35 35×25	6.06 5.98 5.80	30×50 35×40	6.82 6.74	40×50	8.14	40×60	9.45
33000	22×45 25×35 30×30	5.36 5.32 5.47	22×50 25×40 30×30 35×25	5.82 5.81 5.69 5.81	30×40 35×30	6.56 6.41	35×45 40×40	7.35 7.48	40×50	8.46		
39000	22×50 25×40 30×30 35×25	5.83 5.82 5.70 5.82	25×45 30×35 35×30	6.31 6.22 6.38	30×45 35×35	7.08 6.96	 Ripple current (A rms) at 85°C, 120Hz Case size ΦD×L (mm)					
47000	25×45 30×35 35×30	6.35 6.26 6.41	25×50 30×40 35×30	6.83 6.78 6.62	30×50 35×40	7.62 7.54						
56000	25×50 30×40 35×30	6.85 6.80 6.64	30×45 35×35	7.31 7.18	35×45 40×40	8.08 8.23						
68000	30×45 35×35	7.35 7.23	35×40	7.76	35×50 40×50	8.63 9.13						
100000	35×45 40×40	8.34 8.49	40×50	9.35	40×60	10.20						

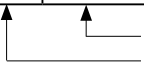
LS Series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF	63		80		100		160		200		250	
150											22×25 25×20	0.90 0.92
180									22×20	0.91	22×25 25×20	0.90 1.01
220							22×20	1.01	22×25 25×20	1.09 1.11	22×25 25×25 30×20	1.09 1.19 1.22
270							22×25 25×20	1.20 1.32	22×25 25×25 30×20	1.20 1.32 1.35	22×30 25×25 30×20	1.28 1.32 1.35
330							22×25 25×20	1.33 1.36	22×30 25×25 30×20	1.42 1.46 1.49	22×30 25×30 30×20	1.42 1.56 1.49
390							22×25 25×25 30×20	1.45 1.59 1.62	22×30 25×25 30×25	1.54 1.59 1.74	22×35 25×30 30×25	1.63 1.69 1.73
470							22×30 25×25 30×20	1.69 1.75 1.78	22×35 25×30 30×25	1.79 1.86 1.90	22×40 25×30 30×25 35×25	1.89 1.84 1.90 2.06
560							22×35 25×30 30×25	1.96 2.03 2.08	22×40 25×35 30×25 35×25	2.06 2.14 2.08 2.25	22×50 25×40 30×30 35×25	2.26 2.25 2.20 2.25
680							22×40 25×30 30×25	2.27 2.23 2.29	22×45 25×40 30×30 35×25	2.38 2.48 2.43 2.48	25×45 30×35 35×30	2.60 2.56 2.62
820							22×45 25×35 30×30 35×25	2.61 2.59 2.67 2.73	22×50 25×45 30×35 35×30	2.73 2.85 2.81 2.88	25×45 30×40 35×30	2.82 2.95 2.88
1000							22×50 25×40 30×30 35×25	3.01 3.01 2.95 3.01	30×40 35×30	3.26 3.18	30×45 35×35	3.40 3.35
1200			22×25	2.24	22×30 25×25	2.39 2.46	25×45 30×35 35×30	3.23 3.18 3.26	30×45 35×35	3.49 3.43	35×40 40×40	3.59 3.81
1500			22×30	2.67	22×35 25×30 30×25	2.83 2.93 3.00	30×40 35×35	3.73 3.83	30×50 35×40	4.06 4.01	35×50 40×50	4.35 4.60
1800	22×25	2.20	22×30 25×25	2.92 3.01	22×40 25×35 30×30	3.26 3.39 3.49	35×40 40×40	4.39 4.66	35×45 40×40	4.58 4.66	40×60	5.39
2200	22×30 25×25	2.50 2.58	22×35 25×30 30×25	3.25 3.36 3.45	22×45 25×40 30×30	3.58 3.74 3.66	↑ Case size ΦD×L (mm) ← Ripple current (A rms) at 85°C, 120Hz					
2700	22×35 25×30	2.94 3.04	22×40 25×35 30×30	3.79 3.94 4.05	25×45 30×35 35×30	4.33 4.27 4.37						
3300	22×35 25×30 30×25	3.14 3.26 3.34	22×45 25×40 30×30	4.18 4.36 4.27	25×50 30×40 35×35	4.76 4.72 4.85						
3900	22×40 25×35 30×30	3.60 3.74 3.85	22×50 25×45 30×35	4.75 4.96 4.89	30×45 35×35	5.36 5.27						
4700	22×50 25×40 30×35 35×30	4.19 4.19 4.10 4.19	25×50 30×40 35×30	5.44 5.39 5.27	30×50 35×40	5.86 5.80						
5600	25×45 30×35 35×30	4.65 4.58 4.70	30×45 35×35	5.91 5.81	35×45 40×40	6.34 6.45						
6800	25×50 30×40 35×30	5.20 5.16 5.04	35×40	6.45	40×50	7.40						
8200	30×45 35×35	5.62 5.53	35×45 40×40	6.91 7.04	40×50	7.60						
10000	30×50 35×40	6.32 6.25	40×50	8.14								
12000	35×45 40×40	6.83 6.95										

LS Series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF	315		350		400		450		500		550	
47											22×30 25×25 30×20	0.41 0.42 0.43
56							22×20	0.51			22×30 25×30 30×25	0.45 0.49 0.50
68					22×20 25×20	0.56 0.61	22×25 25×20	0.60 0.61	22×25	0.64	22×35 25×30 30×25	0.52 0.53 0.55
82			22×20	0.62	22×25 25×20	0.66 0.68	22×30 25×25 30×20	0.71 0.72 0.74	22×30 25×25	0.76 0.77	22×40 25×35 30×30 35×25	0.60 0.62 0.64 0.66
100	22×20	0.68	22×25 25×20	0.73 0.75	22×25 25×25 30×20	0.74 0.81 0.82	22×30 25×30 30×25	0.78 0.85 0.88	22×40 25×30 30×25	0.92 0.92 0.94	22×45 25×40 30×30 35×25	0.70 0.72 0.71 0.73
120	22×25 25×20	0.80 0.82	22×25 25×25 30×20	0.81 0.88 0.90	22×30 25×25 30×20	0.86 0.88 0.90	22×35 25×30 30×25	0.91 0.93 0.96	25×40 30×30	1.09 1.09	25×45 30×35 35×30	0.83 0.82 0.84
150	22×25 25×25 30×20	0.89 0.99 1.01	22×30 25×25 30×20	0.96 0.97 1.01	22×30 25×30 30×25	0.96 1.05 1.08	22×40 25×35 30×30 35×25	1.07 1.10 1.14 1.16	30×30	1.10	25×50 30×40 35×35	0.96 0.96 0.99
180	22×30 25×25 30×20	1.05 1.07 1.10	22×35 25×30 30×25	1.12 1.14 1.18	22×40 25×35 30×25 35×25	1.17 1.21 1.18 1.28	25×35 30×30 35×25	1.20 1.25 1.28	30×35	1.26	30×45 35×35	1.10 1.08
220	22×35 25×30 30×25	1.23 1.27 1.30	22×40 25×30 30×25 35×25	1.29 1.26 1.30 1.41	22×45 25×40 30×30 35×25	1.35 1.41 1.38 1.41	25×40 30×35 35×30	1.40 1.45 1.49	30×40 35×30	1.46 1.75	35×45 40×40	1.31 1.33
270	22×40 25×30 30×25 35×25	1.43 1.40 1.44 1.56	25×35 30×30 35×25	1.47 1.53 1.65	25×40 30×30 35×25	1.55 1.55 1.56	30×40 35×30	1.62 1.65	35×35	1.83	35×50 40×50	1.51 1.59
330	22×50 25×35 30×30 35×25	1.73 1.63 1.69 1.73	25×40 30×35 35×30	1.71 1.78 1.83	25×45 30×35 35×30	1.80 1.78 1.83	30×45 35×35	1.94 1.94	35×40	1.94	40×50	1.76
390	25×40 30×35 35×30	1.86 1.94 1.99	30×40 35×30	2.03 1.98	30×40 35×30	2.03 1.98	30×50 35×35	2.21 2.09	35×45	2.16	40×60	2.05
470	30×35 35×30	2.13 2.18	30×40 35×35	2.23 2.30	30×45 35×35	2.30 2.30	30×50 35×40 40×40	2.42 2.42 2.55	35×50 40×50	2.23 2.94	40×60	2.25
560	30×40 35×35	2.44 2.50	30×45 35×40	2.55 2.62	35×40 40×40	2.62 2.78	35×50 40×50	2.84 3.00	40×60	3.43		
680	30×45 35×40	2.80 2.88	30×50 35×45 40×40	2.92 3.01 3.06	35×50 40×50	3.13 3.31	40×60	3.54	40×60	3.78		
820	30×50 35×50 40×40	3.21 3.44 3.37	35×50 40×50	3.44 3.63	40×60	3.89	 Ripple current (A rms) at 85℃, 120Hz Case size ΦD×L (mm)					