



LGP Snap-In, General Purpose, 85°C



Features

- Has a snap-in terminal which can solder to 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 Characteristics						
Operating Temperature Range	-40 to +85°C	-25 to +85°C					
Rated voltage Range	10 to 100 VDC	160 to 450 VDC					
Capacitance Range	1000 to 68000 µF	47 to 2700 µF					
Capacitance Tolerance	±20%(120Hz, +20°C)						
Leakage Current (+20°C, max.)	I=0.02 CV after 5 minutes with rated working voltage applied.						
Dissipation Factor (Tanδ at 120Hz, 20°C)	Less than the value under table (%)						
	µF \ W.V.	10~16	25~35	50~63	80~100	160~250	315~500
	47 ~ 390	-	-	-	-	15	20
	470 ~ 3900	25	20	20	20	15	20
	4700 ~ 8200	35	30	30	25	-	-
	10000 ~ 22000	40	35	30	-	-	-
	27000 ~ 47000	45	40	35	-	-	-
56000 ~ 68000	50	45	-	-	-	-	
Low Temperature Characteristics (at 120Hz)	Impedance ratio max -25°C\+20°C : 3 -40°C\+20°C : 12						
Load Life Test	Test conditions Duration time :2000Hrs Ambient temperature:+85°C Applied voltage: Rated DC working voltage After test requirements at+20°C Capacitance change: ±≤20% of the initial measured value Dissipation Factor: ≤200% of the initial specified value Leakage current: ≤The initial specified value						
Shelf Life Test	Test conditions Duration time :1000Hrs Ambient temperature:+85°C Applied voltage: None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.						
Standards	Satisfies Characteristic W of JIS C5141						

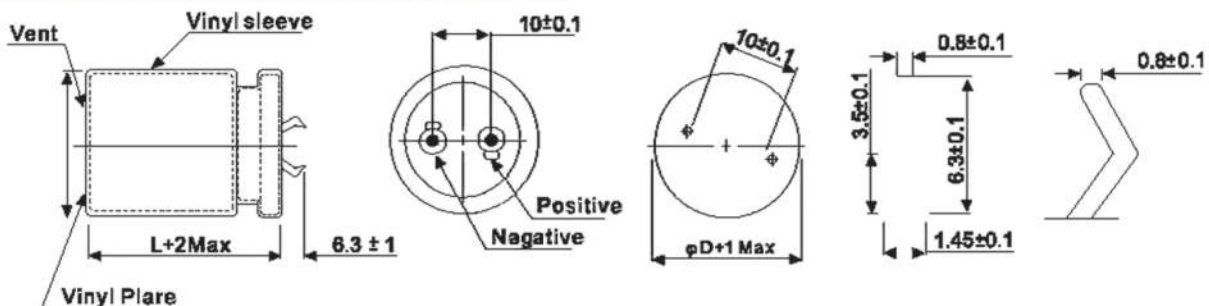
Multiplier for Ripple Current VS, Frequency

Multiplier	CAP(µF)/Hz		50(60)	120	1K	10K	50-100K
	10<CAP≤100	0.8	1	1.36	1.48	1.53	
	100<CAP≤1000	0.8	1	1.25	1.35	1.38	
	1000<CAP	0.8	1	1.17	1.25	1.28	

Multiplier for Ripple Current VS, Temperature

Temperature (°C)	45	60	70	85
Multiplier	1.55	1.30	1.20	1.00

Diagram of Dimensions: (Unit: mm)





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Case Size

φD x L (mm)

W.V. {S.V.}	10{13}								16{20}								
	22		25		30		35		22		25		30		35		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
8200	22x25	2.85	-	-	-	-	-	-	-	22x25	3.15	-	-	-	-	-	-
10000	22x30	3.08	25x25	3.08	-	-	-	-	22x30	3.62	25x25	3.62	-	-	-	-	-
12000	22x30	3.25	25x25	3.25	-	-	-	-	22x30	4.30	25x25	4.30	-	-	-	-	-
15000	22x35	3.85	25x30	3.85	-	-	-	-	22x35	4.93	25x30	4.93	-	-	-	-	-
18000	22x40	4.10	25x30	4.10	-	-	-	-	22x40	5.20	25x30	5.20	-	-	-	-	-
22000	22x45	4.35	25x35	4.35	30x30	4.35	-	-	22x45	5.70	25x35	5.70	30x30	5.70	-	-	-
27000	-	-	25x45	4.87	30x35	4.87	-	-	-	-	25x45	6.30	30x35	6.30	-	-	-
33000	-	-	25x50	5.18	30x40	5.18	35x30	5.18	-	-	25x50	6.84	30x40	6.84	35x30	6.84	-
39000	-	-	-	-	30x45	5.70	35x35	5.70	-	-	-	-	30x45	6.90	35x35	6.90	-
47000	-	-	-	-	30x50	6.10	35x40	6.10	-	-	-	-	30x50	7.42	35x40	7.42	-
56000	-	-	-	-	-	-	35x45	7.00	-	-	-	-	30x55	8.00	35x50	8.00	-
68000	-	-	-	-	-	-	35x50	7.70	-	-	-	-	-	-	35x50	9.30	-

•Ripple Current(A,rms)at 85°C 120Hz

W.V. {S.V.}	25{32}								35{44}								
	22		25		30		35		22		25		30		35		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
3900	-	-	-	-	-	-	-	-	-	22x30	2.64	-	-	-	-	-	-
4700	22x25	2.64	-	-	-	-	-	-	22x30	2.68	25x25	2.68	-	-	-	-	-
5600	22x30	2.78	-	-	-	-	-	-	22x35	2.84	25x30	2.84	-	-	-	-	-
6800	22x30	2.93	25x25	2.93	-	-	-	-	22x35	3.06	25x30	3.06	-	-	-	-	-
8200	22x30	3.05	25x25	3.05	-	-	-	-	22x40	3.32	25x35	3.32	-	-	-	-	-
10000	22x35	3.43	25x30	3.43	30x25	3.43	-	-	22x45	3.60	25x40	3.60	30x30	3.60	-	-	-
12000	22x40	3.84	25x35	3.84	30x30	3.84	-	-	-	-	25x45	4.08	30x35	4.08	35x30	4.08	-
15000	22x50	4.39	25x40	4.39	30x30	4.39	-	-	-	-	25x50	4.25	30x40	4.25	35x30	4.25	-
18000	-	-	25x45	4.80	30x35	4.80	-	-	-	-	-	-	30x45	4.70	35x35	4.70	-
22000	-	-	25x50	5.40	30x40	5.40	-	-	-	-	-	-	30x50	5.45	35x40	5.45	-
27000	-	-	-	-	30x45	5.97	35x35	5.97	-	-	-	-	-	-	35x45	5.78	-
33000	-	-	-	-	30x50	6.24	35x40	6.24	-	-	-	-	-	-	35x50	6.36	-
39000	-	-	-	-	-	-	35x45	7.10	-	-	-	-	-	-	-	-	-
47000	-	-	-	-	-	-	35x50	7.60	-	-	-	-	-	-	-	-	-

•Ripple Current(A,rms)at 85°C 120Hz

W.V. {S.V.}	50{63}								63{79}								
	22		25		30		35		22		25		30		35		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
2200	22x25	2.04	-	-	-	-	-	-	22x30	2.52	25x25	2.52	-	-	-	-	-
2700	22x30	2.30	-	-	-	-	-	-	22x35	2.70	25x30	2.70	-	-	-	-	-
3300	22x30	2.64	25x25	2.64	-	-	-	-	22x40	2.90	25x30	2.90	30x25	2.90	-	-	-
3900	22x30	2.70	25x25	2.70	-	-	-	-	22x45	3.05	25x35	3.05	30x30	3.05	-	-	-
4700	22x35	2.88	25x30	2.88	30x25	2.88	-	-	22x50	3.28	25x40	3.28	30x35	3.28	35x25	3.28	-
5600	22x40	3.06	25x35	3.06	30x30	3.06	-	-	-	-	25x45	3.86	30x35	3.86	35x30	3.86	-
6800	22x50	3.35	25x40	3.35	30x30	3.35	-	-	-	-	25x50	4.32	30x40	4.32	35x30	4.32	-
8200	-	-	25x45	3.70	30x35	3.70	-	-	-	-	-	-	30x45	4.44	35x35	4.44	-
10000	-	-	25x50	4.20	30x40	4.20	35x30	4.20	-	-	-	-	-	-	35x45	4.90	-
12000	-	-	-	-	30x45	4.60	35x35	4.60	-	-	-	-	-	-	35x50	5.40	-
15000	-	-	-	-	30x50	5.15	35x40	5.15	-	-	-	-	-	-	35x60	5.80	-
18000	-	-	-	-	-	-	35x45	5.31	-	-	-	-	-	-	-	-	-
22000	-	-	-	-	-	-	35x50	5.85	-	-	-	-	-	-	-	-	-

•Ripple Current(A,rms)at 85°C 120Hz

SNAP-IN



LGP Snap-In, General Purpose, 85°C

φD x L (mm)

W.V. {S.V.}	80{100}								100{125}							
	22		25		30		35		22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1000	22x25	1.62	-	-	-	-	-	-	22x30	1.90	25x25	1.90	-	-	-	-
1200	22x30	1.70	-	-	-	-	-	-	22x35	2.10	25x30	2.10	-	-	-	-
1500	22x30	1.90	25x25	1.90	-	-	-	-	22x40	2.46	25x35	2.46	30x30	2.46	-	-
1800	22x35	2.15	25x30	2.15	-	-	-	-	22x45	2.78	25x40	2.78	30x30	2.78	-	-
2200	22x40	2.52	25x30	2.52	30x25	2.52	-	-	22x50	3.00	25x40	3.00	30x30	3.00	-	-
2700	22x45	2.76	25x35	2.76	30x30	2.76	-	-	-	-	25x45	3.40	30x35	3.40	-	-
3300	22x50	3.15	25x40	3.15	30x30	3.15	-	-	-	-	25x50	3.85	30x40	3.85	-	-
3900	-	-	25x45	3.40	30x35	3.40	-	-	-	-	-	-	30x45	4.30	35x35	4.30
4700	-	-	25x50	3.80	30x40	3.80	-	-	-	-	-	-	30x50	4.50	35x40	4.50
5600	-	-	-	-	30x45	4.25	35x35	4.25	-	-	-	-	-	-	35x45	4.80
6800	-	-	-	-	30x50	4.70	35x40	4.70	-	-	-	-	-	-	35x50	5.30
8200	-	-	-	-	-	-	35x50	5.20	-	-	-	-	-	-	35x60	5.80
10000	-	-	-	-	-	-	35x60	5.70	-	-	-	-	-	-	35x62	6.30

•Ripple Current(A,rms)at 85°C 120Hz

W.V. {S.V.}	160{200}								200{250}							
	22		25		30		35		22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
220	22x25	1.10	-	-	-	-	-	-	22x25	1.20	-	-	-	-	-	-
270	22x25	1.23	-	-	-	-	-	-	22x25	1.37	-	-	-	-	-	-
330	22x25	1.44	-	-	-	-	-	-	22x30	1.56	25x25	1.56	-	-	-	-
390	22x30	1.66	25x25	1.66	-	-	-	-	22x30	1.68	25x25	1.68	-	-	-	-
470	22x35	1.76	25x25	1.76	-	-	-	-	22x35	1.85	25x30	1.85	30x25	1.85	-	-
560	22x35	2.03	25x30	2.03	30x25	2.03	-	-	22x40	2.28	25x35	2.28	30x25	2.28	-	-
680	22x40	2.36	25x35	2.36	30x25	2.36	-	-	22x45	2.65	25x40	2.65	30x30	2.65	-	-
820	22x45	2.75	25x40	2.75	30x30	2.75	-	-	-	-	25x45	2.92	30x35	2.92	35x25	2.92
1000	-	-	25x45	3.00	30x35	3.00	35x30	3.00	-	-	25x50	3.25	30x40	3.25	35x30	3.25
1200	-	-	25x50	3.25	30x40	3.25	35x30	3.25	-	-	-	-	30x45	3.50	35x35	3.50
1500	-	-	-	-	30x45	3.70	35x35	3.70	-	-	-	-	30x50	3.85	35x45	3.85
1800	-	-	-	-	30x50	4.20	35x40	4.20	-	-	-	-	-	-	35x45	4.35
2200	-	-	-	-	-	-	35x45	4.65	-	-	-	-	-	-	35x50	4.90
2700	-	-	-	-	-	-	35x50	4.76	-	-	-	-	-	-	-	-

•Ripple Current(A,rms)at 85°C 120Hz

SNAP-IN



LGP Snap-In, General Purpose, 85°C

φD x L (mm)

W.V. {S.V.}	250{300}								350{400}								
	22		25		30		35		22		25		30		35		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
100	-	-	-	-	-	-	-	-	-	22x25	0.76	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	22x30	0.89	25x25	0.89	-	-	-	-
150	22x25	0.90	-	-	-	-	-	-	-	22x35	1.03	25x30	1.03	30x25	1.03	-	-
180	22x25	1.07	-	-	-	-	-	-	-	22x40	1.15	25x35	1.15	30x25	-1.15	-	-
220	22x30	1.22	25x25	1.22	-	-	-	-	-	22x45	1.40	25x40	1.40	30x30	1.40	35x25	1.40
270	22x30	1.50	25x25	1.50	-	-	-	-	-	-	-	25x45	1.63	30x35	1.63	35x25	1.63
330	22x35	1.75	25x30	1.75	30x25	1.75	-	-	-	-	-	25x50	1.88	30x40	1.88	35x35	1.88
390	22x40	1.90	25x35	1.90	30x25	1.90	-	-	-	-	-	-	-	30x45	2.05	35x35	2.05
470	22x45	2.04	25x40	2.04	30x30	2.04	-	-	-	-	-	-	-	30x50	2.30	35x40	2.30
560	-	-	25x45	2.35	30x35	2.35	35x30	2.35	-	-	-	-	-	-	-	35x45	2.80
680	-	-	25x50	2.80	30x40	2.80	35x35	2.80	-	-	-	-	-	-	-	35x50	2.95
820	-	-	-	-	30x45	3.20	35x40	3.20	-	-	-	-	-	-	-	-	-
1000	-	-	-	-	30x50	3.50	35x45	3.50	-	-	-	-	-	-	-	-	-
1200	-	-	-	-	-	-	35x50	3.80	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	-	-	35x55	4.00	-	-	-	-	-	-	-	-	-
1800	-	-	-	-	-	-	35x60	4.50	-	-	-	-	-	-	-	-	-

•Ripple Current(A,rms)at 85°C 120Hz

W.V. {S.V.}	400{450}										450{500}									
	22		25		30		35		40		22		25		30		35		40	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
47	-	-	-	-	-	-	-	-	-	-	22x25	0.50	-	-	-	-	-	-	-	-
68	22x25	0.60	-	-	-	-	-	-	-	-	22x30	0.65	-	-	-	-	-	-	-	-
82	22x25	0.83	-	-	-	-	-	-	-	-	22x30	0.82	25x25	0.82	-	-	-	-	-	-
100	22x30	0.92	25x25	0.92	-	-	-	-	-	-	22x35	0.95	25x30	0.95	-	-	-	-	-	-
120	22x30	1.02	25x25	1.02	-	-	-	-	-	-	22x40	1.05	25x35	1.05	-	-	-	-	-	-
150	22x35	1.16	25x30	1.16	30x25	1.16	-	-	-	-	22x50	1.20	25x40	1.20	30x30	1.20	-	-	-	-
180	22x40	1.30	25x35	1.30	30x30	1.30	-	-	-	-	22x50	1.35	25x45	1.35	30x35	1.35	-	-	-	-
220	22x50	1.48	25x40	1.48	30x35	1.48	-	-	-	-	-	-	25x50	1.55	30x40	1.55	35x35	1.55	-	-
270	-	-	25x45	1.68	30x40	1.68	35x30	1.68	-	-	-	-	-	-	30x45	1.80	35x35	1.80	-	-
330	-	-	25x50	1.90	30x45	1.90	35x35	1.90	-	-	-	-	-	-	30x45	2.00	35x35	2.00	-	-
390	-	-	-	-	30x50	2.10	35x40	2.10	-	-	-	-	-	-	-	-	35x40	2.25	40x35	2.25
470	-	-	-	-	-	-	35x45	2.38	40x35	2.38	-	-	-	-	-	-	35x45	2.53	40x40	2.53
560	-	-	-	-	-	-	35x50	2.85	40x45	2.85	-	-	-	-	-	-	-	-	40x50	2.90
680	-	-	-	-	-	-	35x55	3.05	40x50	3.05	-	-	-	-	-	-	-	-	-	-
820	-	-	-	-	-	-	35x60	3.20	40x55	3.20	-	-	-	-	-	-	-	-	-	-

•Ripple Current(A,rms)at 85°C 120Hz

SNAP-IN