



LP Snap-in terminal type, Standard.

☆ Withstand high ripple current.

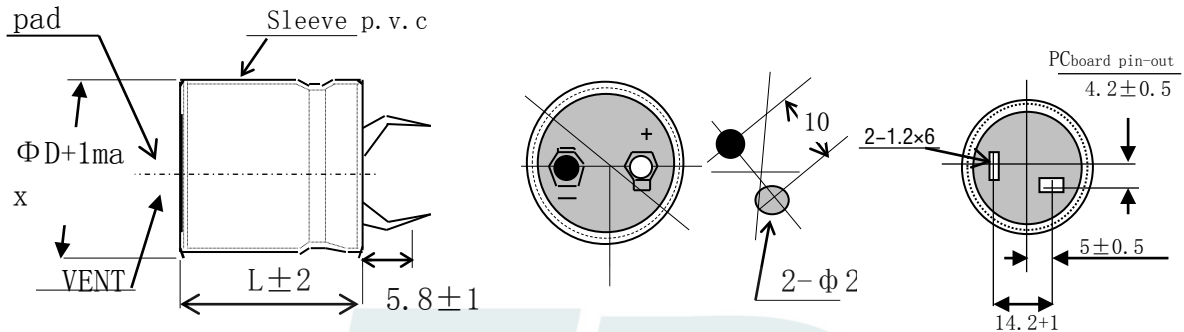
☆ Suitable for filter of consumer electronic products, such as TV sets, power supplies and power stereos, etc.

■ Specifications

Operating temperature range	-40~+85°C (10~100V) ;		-25~+85°C (160~450V)						
Rated voltage range	10~450 V DC								
Nominal capacitance range	22~47000μF								
Capacitance tolerance	±20% (25°C, 120Hz)								
Leakage current	$I \leq 3\sqrt{CV}$ (μA) Whichever is greater(5minutes)								
tgδ	U _R (V)	10	16~25	35~63	80~100	160~250	300~450		
Dissipation factor (25°C,120HZ)	C _R (μF)	22000	4700	22000	2200	10000	1000	100	22
		~47000	~10000	~47000	~6800	~22000	~6800	~1000	~470
	tg δ (Max)	0.5	0.35	0.4	0.25	0.3	0.2	0.2	0.2
Temperature characteristics(120Hz)	UR (V)		10~160	200~450					
	Z-25°C / Z+20°C		4	7					
Load life	<p>After applying rated voltage with specified ripple current for 1500hours at +85°C and then resumed 16hours;</p> <p>Capacitance change : Within ±20% of the initial measured value</p> <p>Leakage current : Not more than the initial specified value</p> <p>Dissipation factor: Not more than 200% of the initial specified value</p>								
Shelf life	<p>After storage for 1000hours at +85°C then resumed 16hours;</p> <p>Capacitance change : With ±15% of the initial measured value</p> <p>Leakage current: : Not more than 200% of the initial specified value</p> <p>Dissipation factor: Not more than 150% of the initial specified value</p>								

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Case size table

Nominal capacitance, rated voltage, rated ripple current and case size table

U_R (V)	10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		100 (2A)		
	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	
C_R (μF)	Code	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)
1000	102													25×35	1.4
1500	152													30×40	1.8
2200	222									22×25	1.4	25×35	1.5	30×40	2.23
3300	332							22×25	1.28	22×35	1.8	25×40	2.0	30×50	3.0
4700	472				22×25	1.3	22×35	1.8	25×35	2.2	30×40	2.5			
6800	682			22×25	1.35	22×35	2.15	25×40	2.3	30×40	2.85	30×50	3.2		
10000	103			22×30	2.5	25×35	2.35	25×50	3.1	30×50	3.45				
15000	153			25×35	2.85	25×50	3.4	30×50	3.65						
22000	683	22×40	3.05	25×50	4.05	30×50	4.1	35×50	4.3						
33000	333	22×50	4.25	30×45	4.65	35×50	4.5								
47000	473	25×50	4.8	35×50	5.1										

U_R (V)	160 (2C)		200 (2D)		250 (2E)		300 (2F)		350 (2V)		400 (2G)		450 (2W)		
	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	D×L	Ripple	
C_R (μF)	Code	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)	(mm)	(A)
22	220											22×25	0.25	22×25	0.27
33	330											22×26	0.30	22×25	0.31
47	470					22×25	0.43	22×25	0.43	22×25	0.46	22×25	0.52	22×25	0.57
68	680							22×25	0.52	22×25	0.57	22×25	0.61	22×35	0.69
100	101			22×25	0.59	22×30	0.61	22×30	0.64	22×30	0.68	22×35	0.71	22×40	0.75
150	151			22×25	0.74	22×35	0.75	22×35	0.78	22×40	0.81	22×50	0.85	25×50	0.89
220	221	22×25	0.85	22×30	0.86	25×40	0.91	24×40	1	22×50	1.03	25×50	1.08	30×50	1.14
330	331	22×35	1.02	22×35	1.03	25×50	1.05	25×50	1.09	30×50	1.11	35×50	1.13	35×50	1.15
470	471	22×40	1.28	22×40	1.87	35×45	1.35	35×45	1.37						
680	681	25×50	1.63	22×45	2.28	35×50	1.65								
1000	102	35×50	2.08	22×50	2.20										

Maximum Allowable Ripple Current(A rms) at 85°C 120Hz