LS Series

Snap-in Terminal Type, Miniature Sized



- Smaller case sized than LP series.
- Withstanding 2000 hours application of high ripple current at 85°C.

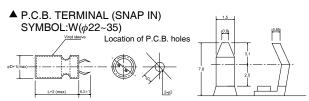


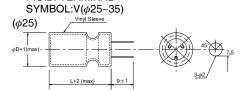
SPECIFICATION

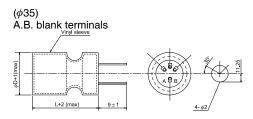
Item								Char	acteris	tic							
Operation Temperature Range								-40 ·	~ +85°	С							
Rated Working Voltage								16 ~	500VE	С							
Capacitance Tolerance (120Hz 20°C)		±20%(M)															
Leakage Current (20°C)	I ≦0.029 I : Leaka		`	(mA) *Whichever is smaller after 5 minutes rent(μ A) C: Rated Capacitance(μ F) V: Working Voltage(V)													
Surge Voltage	W.V.	16	25	35	50	63	80	100	160	180	200	250	3	50	400	450	500
(20°C)	S.V.	20	32	44	63	79	100	125	200	225	250	300	40	00	450	500	550
B	Rated Volta	age (V)	16	25	3	5	5	0	6	63		80	10	00		≧160	
Dissipation Factor (tan δ) (120Hz 20°C)	Capacit	ance	_	_	≦22,000	≧33,000	≦6,800	≧10,000	≦6,800	≧10,000	≦2,200	≧3,300	≦3,300	≧4,700		_	
(120112 20 0)	$ an \delta$		0.50	0.40	0.35	0.40	0.30	0.35	0.25	0.35	0.20	0.25	0.20	0.25		0.15	
	Impedance ratio at 120Hz																
Low Temperature Stability	Rated V	oltage	(V)		16~100			160~250				350~500					
Low Temperature Stability	-25°C / +	-20°C			4			6				8					
	-40°C / +	-20°C			15					_	_		_				
	After 20 limits. (I									ent val	ue, the	е сара	citor s	hall me	eet the	follow	ing
Load Life	Capacit	ance C	Change	9 ≦	±15%	of initi	al valu	ie									
	Dissipa	tion Fa	ctor	≦	175%	of initia	al spec	ified v	alue								
	Leakage current ≦initial specified value																
Shelf Life		At +85°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)															

TERMINAL TYPE

▲ P.C.B. TERMINAL

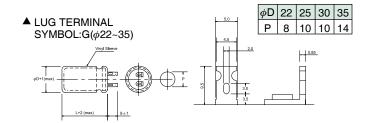


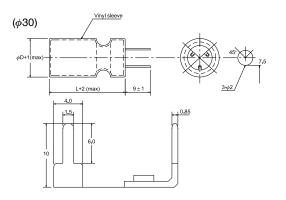




RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	40	60	70	85
Multiplier	1.80	1.40	1.20	1.00





Frequency(Hz)	60	120	1k	10k	
W.V.			Multiplie	r	
≦100V	0.80	1.00	1.10	1.20	1.20
≧160V	0.80	1.00	1.10	1.30	1.40

Series

CASE S	SIZE &	MAX RIPPLE CURRI	ENT	Case size Max ripple curren	: D x L t : A(rms)	85°C	(mm) 120Hz
	V/(Codo)	40 (40)		05 (45)		05 (4) ()	

	V(Code)		16 ((1C)			25 ((1E)		35 (1V)					
μF	ϕD	22	25	30	35	22	25	30	35	22	25	30	35		
0000	000									25					
3300	332									2.04					
4700	470					25				30	25				
4700	472					2.25				2.41	2.30				
6000	000	25				30	25			35	30	25			
6800	682	2.40				2.69	2.56			2.82	2.70	2.66			
10000	400	30	25			35	30	25		45	35	30	25		
10000	103	2.81	2.67			3.09	2.97	2.92		3.34	3.06	3.04	3.28		
45000	450	40	30	25		45	35	30	25		50	35	30		
15000	153	3.43	3.11	3.07		3.70	3.39	3.37	3.63		4.06	3.67	3.98		
2222	000		45	30	25		45	35	30			45	40		
22000	223		4.25	3.78	4.09		4.48	4.25	4.61			4.94	5.41		
20000	000			45	35			50	40			L(mm)	50		
33000	333			5.48	5.67			6.05	6.33			R.C.	7.27		

	V(Code)		50 ((1H)			63	(1J)			80 ((1K)		100 (2A)				
μF	ϕD	22	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35	
										25				30	25			
1000	102									1.50				1.71	1.63			
1000	100													35	30			
1200	122													2.01	1.93			
1500	150					25				30	25			35	30	25		
1500	152					1.66				1.88	1.79			2.11	2.03	2.00		
1000	100													45	35	30		
1800	182													2.59	2.37	2.35		
0000	000	25				30	25			40	30	25		50	40	30	25	
2200	222	1.92				2.08	1.98			2.45	2.22	2.19		2.84	2.64	2.47	2.66	
0000	000	30	25			35	30	25		50	40	30	25		50	40	30	
3300	332	2.35	2.24			2.51	2.41	2.38		3.05	2.83	2.65	2.86		3.25	3.11	3.19	
4700	470	35	30	25		45	35	30	25		50	40	30			50	40	
4700	472	2.72	2.62	2.58		3.04	2.79	2.77	2.99		3.36	3.21	3.30			3.65	3.82	
	000	50	40	30	25		50	35	30			50	40				50	
6800	682	3.45	3.20	3.00	3.23		3.53	3.19	3.46			3.80	3.98				4.48	
40000	100		50	35	30			45	40									
10000	103		3.70	3.35	3.64			3.72	4.08									
45000	450			50	40				50									
15000	153			4.61	4.83				5.30									
10000	100				45													
18000	183				5.55													
20000	000				50												L(mm)	
22000	223				6.42												R.C.	

JAMICON®

Series

CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : A(rms) 85°C 120Hz

	V(Code)		160	(2C)			180	(2M)				(2D)		250 (2E)			120112
μF	ϕD	22	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35
•										25	-			25			
220	221									1.25				1.31			
										25				30	25		
270	271									1.67				1.57	1.57		
						25				30	25			35	30		
330	331					1.31				1.66	1.66			1.85	1.87		
		25				30	25			30	25			35	30	25	
390	391	1.44				1.54	1.54			1.80	1.80			2.01	2.03	2.10	
		30	25			30	25			35	30	25		40	35	25	25
470	471	1.70	1.70			1.69	1.69			2.11	2.13	2.21		2.34	2.38	2.31	2.54
		35	30			35	30	25		40	35	25		50	40	30	25
560	561	1.99	2.23			1.97	1.99	2.06		2.44	2.48	2.41		2.82	2.74	2.71	2.78
		40	30	25		40	35	25		45	35	30	25		45	35	30
680	681	2.32	2.21	2.29		2.30	2.34	2.27		2.83	2.73	2.85	2.92		3.19	3.18	3.28
		45	35	30		45	40	30	25		40	30	25		50	40	30
820	821	2.68	2.58	2.70		2.67	2.72	2.68	2.75		3.17	3.13	3.21		3.67	3.69	3.60
		50	40	30	25		45	35	25		50	35	30			45	35
1000	102	3.11	3.02	2.98	3.05		3.16	3.15	3.04		3.87	3.68	3.80			4.28	4.22
			45	35	30		50	40	30			40	35			50	40
1200	122		3.49	3.48	3.59		3.63	3.65	3.56			4.26	4.42			4.91	4.88
				40	35			45	35				40				50
1500	152			4.11	4.26			4.15	4.09				5.02				5.74
				45	35				40				50				L(mm)
1800	182			4.73	4.67				4.73				6.04				R.C.

	V(Code)		350	(2V)			400	(2G)			450	(2W)		500 (2H)			
μF	ϕD	22	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35
00	000					25				30	25			35	30	25	
82	820					0.76				0.83	0.83			0.73	0.74	0.76	
400	404	25				30	25			35	30	25		40	30	25	
100	101	0.73				0.91	0.91			0.97	0.98	1.02		0.85	0.81	0.84	
400	101	30	25			30	25			40	30	25		45	35	30	
120	121	0.86	0.86			1.00	1.00			1.13	1.08	1.12		0.99	0.95	0.99	
450	454	30	25			35	30	25		45	35	30		50	40	35	30
150	151	0.96	0.96			1.19	1.20	1.25		1.33	1.28	1.34		1.15	1.12	1.18	1.22
400	404	35	30	25		40	35	25		50	40	30	25		45	40	30
180	181	1.13	1.14	1.18		1.38	1.40	1.37		1.53	1.49	1.47	1.50		1.30	1.37	1.33
000		40	35	25		50	40	30	25		45	35	30		50	45	35
220	221	1.32	1.34	1.30		1.69	1.64	1.62	1.66		1.73	1.72	1.78		1.50	1.59	1.57
070	074	50	40	30	25		45	35	30			40	35			50	45
270	271	1.61	1.57	1.55	1.59		1.92	1.91	1.97			2.02	2.10			1.84	1.92
	004		45	35	30		50	40	30			45	35				45
330	331		1.82	1.82	1.88		2.22	2.23	2.18			2.35	2.32				2.13
200	004		50	40	30			45	35				40				50
390	391		2.08	2.10	2.04			2.55	2.52				2.66				2.42
470	474			40	35				40				45				
470	471			2.30	2.38				2.92				3.07				
500	504			50	40				45								
560	561			2.76	2.75				3.34								
000					45				50								L(mm)
680	681				3.18				3.85	·							R.C.