

Jamicon Series : LT

Teapo Series : LF Long Life Series

- Endurance:85°C 3000hours
- Recommended Applications : Smoothing circuit, TV/Monitor, Adapter, SMPS
- Corresponding product to RoHS

550V
LINE
UP

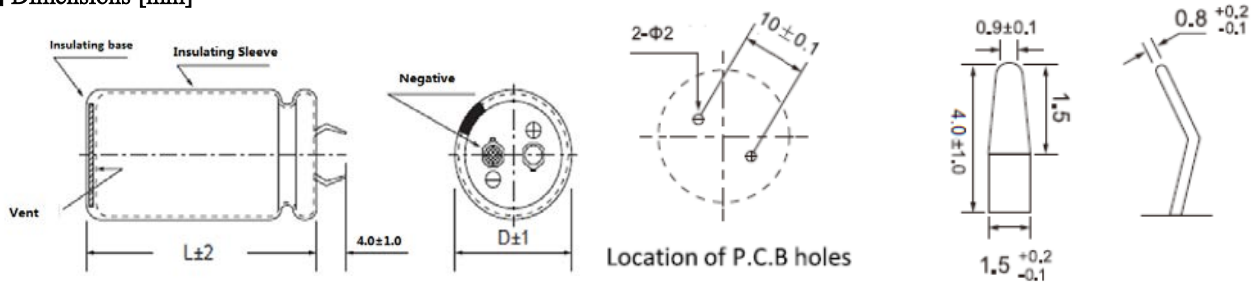


DC≤500V I=I 3 CV I≤0.02CVor 3mA whichever is greater. (After rated voltage applied for 5m

SPECIFICATIONS

Item	Characteristics															
Category Temperature Range	-40 ~ +85°C				-40 ~ +85°C				-25 ~ +85°C							
Rated Voltage Range	10 ~ 100VDC				160 ~ 500VDC				DC > 500V							
Rated Capacitance Range	820 ~ 56000 μF				56 ~ 2200 μF				47 ~ 390 μF							
Capacitance Tolerance	± 20 % (120Hz ,															
Leakage Current (20°C)	DC≤500V I = 3 √CV DC > 500V I=0.02CVor 3mA whichever is greater . (After rated voltage applied for 5 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)															
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	10~16	25	35	50	63	80	100	160~400	420~450	500~550					
	Capacitance	-	-	≤22000	≥37000	≤6800	≥8200	≤6800	≥8200	≤2200	≥2700	≤3300	≥3900	-	-	-
	tan δ	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	0.20	0.25
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz															
	WV	10~16	25	35	50~63	80~100	160~400	420~450	500~550							
	Z-25°C / Z+20°C	4	3	3	2	2	4	8	8							
Z-40°C / Z+20°C	15	10	8	6	5	-	-	-								
Endurance	After applying rated voltage with rated Ripple current for 3000hrs at 85°C, the capacitor shall meet the following requirement.															
	Capacitance change	Within ± 20% of initial value														
	D.F. (tan δ)	not more than 200% of specified value														
	Leakage current	initial specified value or less														
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.															

Dimensions [mm]



※When the code 11~13 of part number is S1G, the terminal length of standard capacitor is 4.0±1.0mm, and when it is S1A, the terminal length of standard capacitor is 5.8±1.0mm.

Multiplier for Ripple Current

Freq. (Hz)	50	60	120	1K	1K~100K
6.3~100V	0.88	0.90	1.00	1.20	1.20
160~250V	0.75	0.78	1.00	1.30	1.50
350~450V	0.74	0.76	1.00	1.35	1.45
500~550V	0.72	0.74	1.00	1.30	1.40

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■ STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)
10(13)	12000	22x25	2.45	0.055	25(32)	22000	30x45	4.90	0.024
	15000	22x30	2.80	0.044			35x35	4.85	0.024
	18000	22x35	3.34	0.037			27000	30x50	5.45
		25x25	3.15	0.037		35x40		5.45	0.020
	22000	22x40	3.67	0.030		33000	35x45	6.15	0.016
		25x30	3.50	0.030		35(44)	3900	22x25	2.10
		30x25	3.60	0.030	4700		22x30	2.41	0.099
	22x45		4.12	0.025			25x25	2.30	0.099
	27000	25x35	4.00	0.025	5600		22x35	2.60	0.083
		30x30	4.16	0.025			25x30	2.62	0.083
		22x50	4.63	0.020			30x25	2.70	0.083
	33000	25x40	4.49	0.020	6800		35x25	2.99	0.083
		30x30	4.45	0.020			22x40	2.90	0.068
		35x25	4.54	0.020			25x35	2.93	0.068
	39000	25x45	4.90	0.017	8200		30x30	3.07	0.068
		30x35	4.90	0.017			35x25	3.13	0.068
		35x30	5.05	0.017			22x45	3.30	0.057
	47000	25x50	5.55	0.014	10000		25x35	3.20	0.057
30x40		5.61	0.014	30x30			3.33	0.057	
35x30		5.50	0.014	35x25			3.42	0.057	
56000	30x45	6.11	0.012	12000	22x50		3.74	0.046	
	35x35	6.05	0.012		25x40		3.64	0.046	
16(20)	8200	22x25	2.45		0.081		30x30	3.60	0.046
	10000	22x30	2.81	0.066	35x25	3.67	0.046		
	12000	22x35	3.10	0.055	15000	25x45	4.00	0.039	
		25x25	2.90	0.055		30x35	4.00	0.039	
	22x40	3.46	0.044	35x30		4.12	0.039		
	15000	25x30	3.30	0.044	18000	30x40	4.60	0.031	
		30x25	3.40	0.044		35x35	4.47	0.031	
		22x45	3.81	0.037	30x45	5.10	0.026		
	18000	25x35	3.70	0.037	35x40	5.30	0.026		
		30x30	3.85	0.037	22000	35x45	5.70	0.021	
		22x50	4.32	0.030	27000	35x50	6.45	0.020	
	22000	25x45	4.40	0.030	50(63)	2200	22x25	1.92	0.181
		30x30	4.15	0.030		2700	22x30	1.95	0.147
		35x25	4.23	0.030		3300	22x35	2.33	0.121
	25x45	4.65	0.025	25x25			2.24	0.121	
	27000	30x35	4.65	0.025		3900	22x40	2.52	0.102
		35x30	4.79	0.025			25x30	2.40	0.102
		30x40	5.25	0.020		4700	22x45	2.78	0.085
35x35	5.67	0.020	25x35	2.70			0.085		
30x45	5.86	0.017	30x30	2.82			0.085		
39000	35x35	5.80	0.017	5600		35x25	2.89	0.085	
	47000	35x40	6.45			0.014	25x35	3.00	0.071
25(32)	5600	22x25	2.20			0.095	6800	30x30	3.12
	6800	22x30	2.69	0.078		35x25		3.21	0.071
		25x25	2.56	0.078		25x40		3.35	0.059
	8200	22x35	2.75	0.065		8200	30x35	3.52	0.059
		25x30	2.75	0.065			35x30	3.62	0.059
	10000	22x40	3.25	0.053			25x50	3.74	0.057
		25x30	3.10	0.053		30x40	3.77	0.057	
		30x25	3.19	0.053	35x30	3.70	0.057		
	12000	22x45	3.50	0.044	10000	30x45	4.24	0.046	
		25x35	3.40	0.044		35x35	4.20	0.046	
		30x30	3.54	0.044		30x50	4.65	0.039	
	15000	35x25	3.64	0.044	12000	35x40	4.65	0.039	
		25x45	3.90	0.035		15000	35x45	5.30	0.031
		30x40	4.10	0.035	18000	35x50	5.90	0.026	
	18000	35x30	4.21	0.035	63(79)	1800	22x25	1.80	0.184
		25x45	4.30	0.029		2200	225x30	2.00	0.151
		30x40	4.51	0.029			25x25	2.00	0.151
		35x30	4.39	0.029	2700	22x35	2.30	0.123	

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)	
63(79)	2700	25x30	2.30	0.123	100(125)	2200	35x25	3.11	0.121	
		22x40	2.68	0.100			2700	25x45	3.45	0.098
	3300	25x30	2.55	0.100		3300		30x35	3.45	0.098
		30x25	2.63	0.100			25x50	3.94	0.080	
		22x45	2.88	0.085			3900	30x40	3.98	0.080
	3900	25x35	2.80	0.085		35x30		3.90	0.080	
		30x30	2.91	0.085		3900		30x45	4.34	0.085
		4700	22x50	3.28			0.071	35x35	4.30	0.085
	25x40		3.18	0.071			4700	35x40	4.75	0.071
	30x30		3.15	0.071		5600		35x50	5.30	0.059
	35x25	3.21	0.071	6800				22x25	1.15	0.603
	5600	25x45	3.50				0.059	390	22x30	1.30
		30x35	3.50			0.059	470	22x35	1.59	0.423
		35x30	3.60	0.059		25x30		1.62	0.423	
	6800	25x50	3.94	0.049		560	22x35	1.99	0.355	
		30x40	3.98	0.049			25x30	2.23	0.355	
8200		30x45	4.39	0.057	680	22x40	2.32	0.293		
	35x35	4.35	0.057	25x35		2.24	0.293			
	30x50	4.90	0.046	30x25		2.29	0.293			
10000	35x40	4.90	0.046	820	22x50	2.32	0.243			
		4.90	0.046		25x40	2.28	0.243			
	12000	35x50	5.45		0.039	30x30	2.70	0.243		
80(100)	1200	22x25	1.70	0.221	160(200)	330	25x45	2.58	0.199	
		22x30	1.95	0.177			1000	30x35	2.57	0.199
	1500	25x25	1.95	0.177		35x30		2.65	0.199	
		22x35	2.15	0.147		1200	25x50	2.78	0.166	
	1800	25x30	2.15	0.147			30x40	2.80	0.166	
		2200	22x40	2.57		0.121	35x35	2.92	0.166	
	25x30		2.45	0.121		1500	30x45	3.03	0.133	
	30x25		2.52	0.121			35x40	3.17	0.133	
	2700	22x45	2.83	0.123		1800	30x50	3.50	0.111	
		25x35	2.75	0.123			35x45	3.67	0.111	
		30x30	2.86	0.123		2200	35x50	4.08	0.090	
	3300	22x50	3.22	0.100		180(225)	270	22x25	1.25	0.737
		25x40	3.13	0.100	330		22x25	1.31	0.603	
			3.10	0.100	390		22x30	1.54	0.510	
			35x25	3.16			0.100	25x25	1.54	0.510
		3900	25x45	3.40	0.085		470	22x30	1.69	0.423
			30x35	3.40	0.085			25x25	1.69	0.423
	35x30		3.50	0.085	560		22x35	1.97	0.355	
	4700	25x50	3.84	0.071			25x30	1.99	0.355	
		30x40	3.88	0.071			30x25	2.06	0.355	
		5600	35x35	4.04	0.071		680	22x40	2.30	0.293
	30x45		4.24	0.059	25x35			2.34	0.293	
	35x40		4.43	0.059	820		30x25	2.27	0.293	
	6800	30x50	4.70	0.049		22x45	2.67	0.243		
35x45		4.93	0.049	1000		25x40	2.72	0.243		
8200		30x50	5.25		0.040	30x30	2.68	0.243		
	820	22x25	1.70		0.323	35x25	2.75	0.243		
		1000	22x30	1.95	0.265	1200	25x45	3.16	0.199	
25x25			1.95	0.265	30x35		3.15	0.199		
1200	22x35	2.15	0.221	1500	35x30	3.10	0.199			
	25x30	2.15	0.221		30x40	3.65	0.166			
	1500	22x40	2.57	0.177	1800	35x30	3.56	0.166		
25x30		2.45	0.177	2200		30x45	4.15	0.133		
30x25		2.52	0.177		35x35	4.09	0.133			
1800	22x45	2.83	0.147		220	22x25	1.25	0.904		
	25x35	2.75	0.147	270		25x25	1.33	0.904		
	30x30	2.86	0.147			22x25	1.67	0.737		
2200	22x50	3.17	0.121	270	25x25	1.75	0.737			
	25x40	3.08	0.121							
	30x30	3.05	0.121							

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STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)
200(250)	330	22x30	1.66	0.603	315 (365)	330	25x40	1.60	0.603
		25x25	1.66	0.603			30x35	1.68	0.603
	390	22x30	1.80	0.510		35x30	1.74	0.603	
		25x25	1.80	0.510		25x45	1.75	0.510	
	470	30x25	1.87	0.510		30x35	1.75	0.510	
		22x35	2.11	0.423		35x30	1.80	0.510	
		25x30	2.13	0.423		470	30x40	2.00	0.423
	560	30x25	2.21	0.423		35x35	2.06	0.423	
		22x40	2.44	0.355		560	30x45	2.20	0.355
		25x35	2.48	0.355		35x40	2.29	0.355	
	680	30x25	2.41	0.355		680	35x45	2.50	0.293
		22x45	2.83	0.293		820	35x50	2.80	0.243
		25x35	2.73	0.293		82	22x25	0.7	2.426
		30x30	2.85	0.293		100	22x25	0.73	1.989
	820	35x25	2.92	0.293		120	22x30	0.86	1.658
		25x40	3.17	0.243		25x25	0.86	1.658	
		30x30	3.13	0.243		150	22x30	1.05	1.326
	1000	35x25	3.21	0.243		25x25	1.05	1.326	
30x35		3.68	0.199	180	22x35	1.10	1.105		
1200	35x30	3.80	0.199	25x30	1.14	1.105			
	30x40	4.26	0.166	30x25	1.18	1.105			
1500	35x35	4.42	0.166	22x40	1.35	0.904			
	35x40	5.02	0.133	220	25x35	1.34	0.904		
250(300)	180	22x25	1.25	1.105	30x25	1.30	0.904		
		22x25	1.31	0.904	35x25	1.39	0.904		
	220	25x25	1.43	0.904	270	25x40	1.57	0.737	
		22x30	1.57	0.737	30x30	1.55	0.737		
	270	25x25	1.57	0.737	35x25	1.59	0.737		
		22x35	1.85	0.603	330	25x35	1.67	0.603	
	330	25x30	1.87	0.603	30x35	1.82	0.603		
		22x35	2.01	0.510	35x30	1.88	0.603		
	390	25x30	2.03	0.510	30x40	2.10	0.510		
		30x25	2.10	0.510	390	35x30	2.04	0.510	
		22x40	2.34	0.423	470	30x40	2.30	0.423	
	470	25x35	2.38	0.423	35x35	2.38	0.423		
		30x25	2.31	0.423	560	35x45	2.74	0.355	
		35x25	2.54	0.423	680	35x45	3.18	0.293	
	560	25x40	2.74	0.355	82	22x25	0.70	2.926	
		30x30	2.71	0.355	82	22x25	0.76	2.426	
		35x25	2.78	0.355	100	22x30	0.91	1.989	
		25x45	3.19	0.293	25x25	0.91	1.989		
	680	30x35	3.18	0.293	120	22x30	1.00	1.658	
		35x30	3.28	0.293	25x25	1.00	1.658		
		30x40	3.69	0.243	30x25	1.06	1.658		
	820	35x30	3.60	0.243	150	22x35	1.19	1.326	
		30x45	4.28	0.199	25x30	1.20	1.326		
	1000	35x35	4.22	0.199	30x25	1.25	1.326		
35x40		4.88	0.166	22x40	1.38	1.105			
315(365)	100	22x25	0.75	1.989	180	25x35	1.40	1.105	
		22x30	0.80	1.658	30x25	1.37	1.105		
	120	22x30	1.00	1.326	220	22x50	1.69	0.904	
		25x25	1.00	1.326	25x40	1.64	0.904		
	150	25x35	1.10	1.105	30x30	1.62	0.904		
		25x30	1.10	1.105	35x25	1.66	0.904		
	180	22x40	1.31	0.904	270	25x45	1.92	0.737	
		25x30	1.25	0.904	30x35	1.91	0.737		
		30x25	1.29	0.904	35x30	1.97	0.737		
	220	22x45	1.44	0.737	330	25x50	2.22	0.603	
		25x35	1.40	0.737	30x40	2.23	0.603		
		30x30	1.46	0.737	35x30	2.18	0.603		
		35x25	1.50	0.737	390	30x45	2.55	0.510	
	270	22x50	1.63	0.603	35x35	2.52	0.510		

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω ,20°C) (120Hz)				
400(450)	470	35x40	2.92	0.423	500(550)	120	25x40	1.19	2.763				
	560	35x45	3.34	0.355			30x30	1.17	2.763				
450(500)	56	22x25	0.65	4.737		150	25x45	25x45	1.40	2.210			
	68	22x30	0.75	3.901				30x35	30x35	1.40	2.210		
	82	22x30	0.85	3.235					35x25	35x25	1.35	2.210	
		25x25	0.85	3.235			180	25x50		1.61	1.842		
	100	22x35	0.97	2.653				30x40	30x40	1.62	1.842		
		25x30	0.98	2.653					35x30	35x30	1.58	1.842	
		120	22x40	1.13		2.210	30x45	30x45		1.75	1.507		
	25x30		1.08	2.210		35x35		35x35	1.72	1.507			
	30x25		1.12	2.210			270	30x50	1.88	1.228			
	150	22x45	1.33	1.768		35x40		35x40	1.85	1.228			
		25x35	1.28	1.768	330		35x45	1.98	1.005				
		30x30	1.34	1.768		390	35x50	2.19	0.850				
	180	25x40	1.49	1.474	550(600)		47	22x30	22x30	0.64	7.055		
		30x30	30x30	1.47		1.474			56	22x35	22x35	0.74	5.921
			35x25	1.50		1.474					68	22x40	22x40
			220	25x45		1.73	1.206	82					22x45
		30x35		1.72		1.206	25x35		25x35	0.97			
		35x30		1.78		1.206			100	22x50	22x50	1.16	
270		30x40	2.02	0.982		25x40	25x40	1.13			3.316		
		35x35	2.10	0.982			30x30	30x30			1.11	3.316	
		330	30x45	2.35				0.804	25x45	25x45	1.30	2.763	
35x35			2.32	0.804		30x35	30x35	1.30		2.763			
390			35x40	2.66			0.680	150	25x50	1.46	2.210		
		470	35x45	3.07		0.564	30x40		30x40	1.47	2.210		
500(550)	56	22x30	0.70	5.921		35x30			35x30	1.44	2.210		
	68	22x35	0.82	4.876			180	30x45	1.70	1.842			
	82	22x40	0.96	4.044		35x35		35x35	1.67	1.842			
		25x30	0.91	4.044			220	30x50	1.79	1.507			
	100	22x45	1.11	3.316		35x40		35x40	1.77	1.507			
		25x35	1.07	3.316			270	35x45	2.11	1.228			
120	22x50	1.22	2.763	330	35x50	2.39		1.005					