

Jamicon Series : HT

Teapo Series : LJ Long Life Series

- Endurance:105°C 3000 hours
- Recommended Applications : Smoothing circuit, TV/Monitor,Adapter, SMPS
- Corresponding product to RoHS

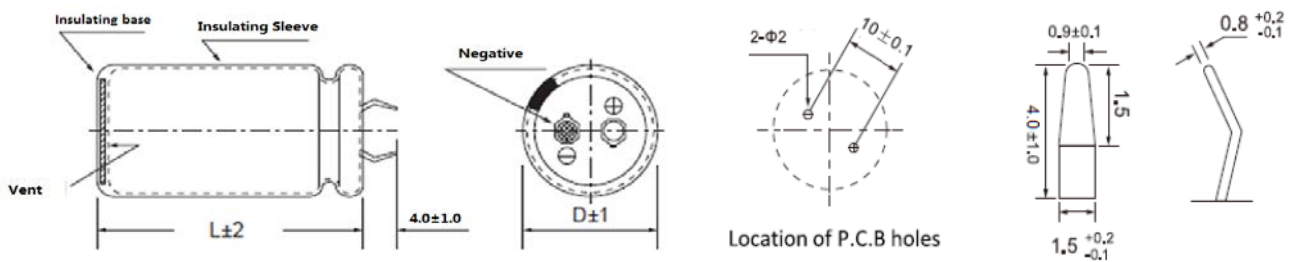
550V  
LINE  
UP



**■ SPECIFICATIONS**

Item	Characteristics										
Category Temperature Range	-40 ~ +105°C			-40 ~ +105°C				-25 ~ +105°C			
Rated Voltage Range	10 ~ 100VDC			160 ~ 500VDC				DC > 500V			
Rated Capacitance Range	560 ~ 68000 µF			56~ 2200 µF				47~ 470 µF			
Capacitance Tolerance	± 20 % ( 120Hz ,										
Leakage Current (20°C)	DC ≤ 500V I = 3√CV DC > 500V I = 0.02CV or 3mA whichever is greater (After rated voltage applied for 5minutes) 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	-	-	-	≤6800	≥8200	≤6800	≥8200	-	-	-
	tan δ	0.5	0.4	0.35	0.3	0.35	0.25	0.35	0.25	0.15	0.20
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz										
	Rated voltage(V)	10~16	25	35	50~63	80~100	160~400	420~450	500~550		
	Z-25°C / Z+20°C	4	3	3	3	3	4	8	8		
	Z-40°C / Z+20°C	15	10	8	6	6	-	-	-		
Endurance	After applying rated voltage with rated Ripple current for 3000hrs at 105°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	Not more than the specified value									
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°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**

Frequency(Hz)	50	60	120	1K	10K~100K
6.3~100V	0.88	0.90	1.00	1.20	1.30
160~250V	0.85	0.88	1.00	1.30	1.50
315~450V	0.88	0.90	1.00	1.35	1.45
500~550V	0.70	0.72	1.00	1.30	1.40

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)	
10(13)	10000	22x25	1.80	0.066	25(32)	12000	25x45	3.22	0.044	
	12000	22x30	2.05	0.055			30x35	3.19	0.044	
		25x25	2.05	0.055			35x25	3.10	0.044	
		22x35	2.45	0.044			25x50	3.43	0.035	
	15000	25x30	2.45	0.044		30x40	3.47	0.035		
		3025	2.55	0.044		35x30	3.40	0.035		
		22x40	2.94	0.037		30x45	3.94	0.029		
	18000	25x30	2.80	0.037		35x35	3.90	0.029		
		30x30	3.11	0.037		30x50	4.30	0.024		
		22x45	3.24	0.030		35x40	4.30	0.024		
	22000	25x35	3.15	0.030		27000	35x45	4.85	0.020	
		30x30	3.28	0.030		35(44)	2700	22x25	1.45	0.172
		35x25	3.37	0.030			3300	22x30	1.60	0.141
		27000	25x40	3.50			0.025	3900	22x30	1.80
	30x35		3.67	0.025			4700	22x35	2.23	0.099
	35x30		3.78	0.025				25x25	2.10	0.099
	33000	25x45	4.00	0.020			5600	22x40	2.41	0.083
		30x40	4.20	0.020				25x30	2.30	0.083
		35x30	4.08	0.020				30x25	2.37	0.083
	39000	25x50	4.45	0.017			6800	22x45	2.68	0.068
30x45		4.67	0.017	25x35	2.60			0.068		
35x35		4.63	0.017	30x30	2.70			0.068		
47000	35x40	4.90	0.014	8200	22x50		3.02	0.057		
56000	35x45	5.50	0.012		25x40	2.93	0.057			
68000	30x50	6.05	0.010		30x30	2.90	0.057			
16(20)	6800	22x25	1.80		0.098	35x25	2.96	0.057		
	8200	22x30	2.05		0.081	10000	25x45	3.20	0.046	
		25x25	2.05		0.081		30x35	3.20	0.046	
	22x35	2.45	0.066	35x30	3.30		0.046			
	10000	25x30	2.45	0.066	12000	25x50	3.64	0.039		
		22x40	2.73	0.055		30x40	3.67	0.039		
		25x30	2.60	0.055		35x30	3.60	0.039		
	12000	30x25	2.68	0.055	15000	30x45	4.04	0.031		
		22x45	2.99	0.044		35x35	4.00	0.031		
		25x35	2.90	0.044	18000	35x40	4.60	0.026		
	15000	30x30	3.02	0.044	22000	35x50	5.10	0.021		
		22x50	3.43	0.037	50(63)	1500	22x25	1.25	0.265	
18000		25x40	3.33	0.037		1800	22x30	1.45	0.221	
	30x30	3.30	0.037	2200		22x30	1.60	0.181		
	35x25	3.37	0.037			25x25	1.60	0.181		
22000	25x45	3.70	0.030	2700		22x35	1.80	0.147		
	30x35	3.70	0.030			25x30	1.80	0.147		
	35x30	3.81	0.030	3300		22x40	2.05	0.121		
27000	30x40	4.15	0.025			25x30	1.95	0.121		
35x35	4.27	0.025	30x25			2.01	0.121			
33000	30x50	4.65	0.020	3900		22x45	2.27	0.102		
	35x40	4.65	0.020			25x35	2.20	0.102		
	39000	35x45	5.25			0.017	30x30	2.29	0.102	
47000	35x50	5.80	0.014	63(79)	22x50	2.50	0.085			
25(32)	3900	22x25	1.50		0.136	4700	25x40	2.42	0.085	
	4700	22x30	1.80		0.113		30x30	2.40	0.085	
		22x30	1.95		0.095		35x25	2.45	0.085	
	5600	25x25	1.95		0.095		5600	25x45	2.70	0.071
		22x35	2.20		0.078	30x35		2.70	0.071	
	25x30	2.20	0.078		35x30	2.78		0.071		
	6800	22x40	2.47		0.065	6800	30x40	3.06	0.059	
		25x35	2.50		0.065		35x30	3.00	0.059	
		30x25	2.45		0.065	8200	30x45	3.38	0.057	
	8200	22x45	2.75		0.053		35x35	3.35	0.057	
		25x40	2.80		0.053		35x40	3.70	0.046	
		10000	30x30	2.75	0.053	12000	35x50	4.20	0.039	
22x50	3.13		0.044							

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Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)
63(79)	1500	22x30	1.45	0.221	100(125)	2200	25x50	2.75	0.151
		22x25	1.45	0.221			30x40	2.75	0.151
	1800	22x35	1.60	0.184			35x35	2.86	0.151
		25x30	1.60	0.184		2700	30x45	3.08	0.123
	2200	22x40	1.89	0.151			35x35	3.05	0.123
		25x30	1.80	0.151		3300	30x50	3.45	0.100
		30x25	1.85	0.151			35x40	3.45	0.100
	2700	22x45	2.06	0.123		3900	35x45	3.90	0.085
		25x35	2.00	0.123			4700	35x50	4.30
		30x30	2.08	0.123		160(200)	270	22x25	0.85
	3300	25x40	2.32	0.100	330		22x30	1.00	0.603
		30x30	2.30	0.100	390		22x30	1.15	0.510
		35x25	2.35	0.100			25x25	1.15	0.510
	3900	25x45	2.55	0.085	470		22x35	1.30	0.423
		30x35	2.55	0.085			25x30	1.30	0.423
		35x30	2.63	0.085	560		22x40	1.57	0.355
	4700	25x50	2.83	0.071			25x30	1.50	0.355
		30x40	2.86	0.071			30x25	1.54	0.355
		35x30	2.80	0.071	680		22x45	1.75	0.293
	5600	30x45	3.18	0.059		25x35	1.70	0.293	
35x35		3.15	0.059	30x30		1.77	0.293		
6800	30x50	3.50	0.049	820	22x50	2.03	0.243		
	35x40	3.50	0.049		25x40	1.97	0.243		
8200	35x45	3.90	0.057		30x30	1.95	0.243		
80(100)	820	22x25	1.20	0.404	180(225)	270	22x25	0.85	0.737
		22x30	1.35	0.332		330	22x30	1.10	0.603
	1000	22x35	1.59	0.276		390	22x30	1.20	0.510
		25x25	1.50	0.276			25x25	1.25	0.510
	1500	22x40	1.78	0.221		470	22x35	1.36	0.423
		25x30	1.70	0.221			25x30	1.40	0.423
		30x25	1.75	0.221		560	22x40	1.56	0.355
	1800	22x45	2.01	0.184			25x30	1.55	0.355
		25x35	1.95	0.184			30x25	1.60	0.355
		30x30	2.03	0.184		680	22x45	1.75	0.293
	2200	25x40	2.17	0.151	25x35		1.67	0.293	
		30x30	2.15	0.151	30x30		1.80	0.293	
		35x25	2.19	0.151	35x25	1.84	0.293		
	2700	25x45	2.45	0.123	820	25x40	1.95	0.243	
		30x35	2.45	0.123		30x30	1.96	0.243	
		35x30	2.52	0.123		35x25	2.05	0.243	
	3300	30x40	2.75	0.100	1000	25x50	2.27	0.199	
		35x35	2.83	0.100		30x35	2.20	0.199	
		3900	30x45	3.13		0.085	35x30	2.25	0.199
	35x35		3.10	0.085	1200	30x40	2.50	0.166	
4700	35x40		3.40	0.071		35x30	2.40	0.166	
5600	35x50	3.80	0.059	1500	35x35	2.78	0.133		
100(125)	560	22x25	1.20		0.592	1800	35x40	3.17	0.111
		680	22x30	1.35	0.488		200(250)	220	22x25
	820	22x30	1.50	0.404	270	22x25		0.94	0.737
		25x25	1.50	0.404	330	22x30		1.15	0.603
	1000	22x35	1.70	0.332		25x25	1.15	0.603	
		25x30	1.70	0.332	390	22x35	1.31	0.510	
	1200	22x40	1.97	0.276					
		25x35	1.99	0.276					
		30x25	1.95	0.276					
	1500	22x45	2.15	0.221					
25x40		2.19	0.221						
30x30		2.15	0.221						
35x25		2.21	0.221						
1800	25x45	2.45	0.184						
	30x35	2.45	0.184						
	35x30	2.52	0.184						

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Rated Voltage (Surge Voltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)
200(250)	390	25x25	1.22	0.510	315(365)	390	30x45	1.71	0.510
	470	22x40	1.52	0.423		470	35x30	1.60	0.510
		25x30	1.48	0.423			30x50	1.85	0.423
		30x25	1.50	0.423		35x35	1.75	0.423	
	560	22x45	1.75	0.355		560	35x40	2.00	0.355
		25x35	1.68	0.355	680	35x45	2.20	0.293	
		30x30	1.76	0.355	350(400)	82	22x25	0.60	2.426
	680	25x40	1.96	0.293		100	22x30	0.70	1.989
		30x30	1.94	0.293		120	25x25	0.70	1.989
		35x25	1.98	0.293			22x30	0.74	1.658
	25x45	2.27	0.243	25x25			0.75	1.658	
	820	30x35	2.26	0.243		150	22x35	0.78	1.326
		35x30	2.33	0.243			25x30	0.82	1.326
		30x40	2.65	0.199			30x25	0.85	1.326
	1000	35x30	2.58	0.199		180	22x40	0.96	1.105
30x45		3.05	0.166	25x35			1.05	1.105	
35x35		3.00	0.166	30x30			1.05	1.105	
1500	35x45	3.58	0.133	220		22x50	1.16	0.904	
250(300)	150	22x25	0.75	1.326		220	25x40	1.10	0.904
	180	22x30	0.85	1.105			30x30	1.10	0.904
	220	22x30	1.00	0.904			35x25	1.15	0.904
		25x25	1.00	0.904	270		25x45	1.22	0.737
	270	22x35	1.22	0.737		30x35	1.25	0.737	
		25x25	1.15	0.737		35x30	1.30	0.737	
	330	22x35	1.25	0.603	330	30x40	1.30	0.603	
		25x30	1.30	0.603		35x30	1.35	0.603	
	390	22x40	1.42	0.510	390	30x45	1.50	0.510	
		25x35	1.48	0.510		35x35	1.55	0.510	
		30x25	1.45	0.510	470	35x40	1.72	0.423	
		35x25	1.59	0.510		560	35x45	2.05	0.355
		470	22x50	1.78		0.423	400(450)	68	22x25
	25x40		1.75	0.423	82	22x30		0.65	2.426
	30x30		1.72	0.423		25x25		0.65	2.426
	35x25		1.78	0.423	100	22x30		0.75	1.989
			1.80	0.355		25x25		0.75	1.989
	560	30x35	1.89	0.355	120	22x35		0.84	1.658
		35x25	1.85	0.355		25x30		0.85	1.658
		25x50	2.14	0.293		30x25		0.87	1.658
680	30x35	2.05	0.293	150	22x40	0.90		1.326	
	35x30	2.12	0.293		25x35	0.90		1.326	
	30x45	2.49	0.243		30x30	0.94		1.326	
820	35x35	2.45	0.243		35x25	0.96		1.326	
	30x50	2.80	0.199		180	22x45		1.05	1.105
1000	35x40	2.86	0.199	25x40		1.06		1.105	
	35x45	3.29	0.166	30x30		1.10		1.105	
315(365)	82	22x25	0.55	2.426	220	35x25	1.12	1.105	
	100	22x30	0.65	1.989		25x45	1.20	0.904	
	120	22x30	0.75	1.658		30x35	1.20	0.904	
		25x25	0.75	1.658	35x30	1.24	0.904		
	150	22x35	0.80	1.326	270	25x50	1.36	0.737	
		25x30	0.80	1.326		30x40	1.38	0.737	
	180	22x40	1.01	1.105		35x30	1.35	0.737	
		25x35	1.02	1.105	330	30x45	1.58	0.603	
		30x25	1.00	1.105		35x35	1.56	0.603	
	220	22x45	1.10	0.904	390	35x40	1.79	0.510	
		25x40	1.12	0.904		35x50	1.87	0.510	
		30x30	1.10	0.904	470	35x45	2.07	0.423	
	270	25x45	1.25	0.737	450(500)	56	22x25	0.55	4.737
		30x35	1.25	0.737		68	22x30	0.65	3.901
		25x50	1.53	0.603		82	22x35	0.80	3.235
30x40		1.53	0.603	25x25			0.75	3.235	
35x30		1.50	0.603	100		22x40	0.89	2.653	

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450(500)	100	25x30	0.85	2.653	500(550)	180	25x50	1.20	1.842	
	120	22x45	0.95	2.210		180	30x40	1.17	1.842	
		25x35	0.92	2.210			35x30	1.10	1.842	
		30x25	0.90	2.210			220	30x45	1.33	1.507
	150	22x50	1.14	1.768		35x35		1.23	1.507	
		25x40	1.11	1.768		270	30x50	1.50	1.228	
		30x30	1.10	1.768			35x40	1.42	1.228	
	180	25x45	1.25	1.474		330	35x45	1.60	1.005	
		30x35	1.24	1.474		390	35x50	1.78	0.850	
		35x25	1.20	1.474		470	35x60	2.03	0.705	
	220	25x50	1.36	1.206	550(600)	47	22x30	0.55	7.055	
		30x40	1.38	1.206		56	22x35	0.64	5.921	
		35x30	1.35	1.206		68	25x30	0.71	4.876	
		270	30x45	1.51		0.982	82	22x40	0.82	4.044
			35x35	1.50		0.982		25x35	0.83	4.044
		330	30x50	1.70		0.804		30x25	0.81	4.044
35x40			1.70	0.804		100	22x45	0.87	3.316	
390		35x45	1.90	0.680			30x30	0.88	3.316	
		470	35x50	2.10		0.564	120	22x50	1.00	2.763
500(550)	47	22x25	0.51	7.055		25x40		0.97	2.763	
	56	22x30	0.58	5.921		30x35		1.02	2.763	
	68	25x25	0.65	4.876		35x25	0.98	2.763		
	82	22x35	0.72	4.044		150	25x45	1.15	2.210	
		25x30	0.74	4.044			30x40	1.21	2.210	
	100	22x45	0.83	3.316			35x30	1.18	2.210	
		30x25	0.82	3.316		180	30x45	1.26	1.842	
	120	22x50	0.93	2.763	35x35		1.24	1.842		
		25x35	0.93	2.763	220	30x50	1.45	1.507		
		30x30	0.91	2.763		35x40	1.45	1.507		
	150	25x45	1.08	2.210	270	35x45	1.68	1.228		
		30x35	1.04	2.210	330	35x50	1.95	1.005		
		35x25	0.99	2.210	390	35x60	2.12	0.850		