

LJ

Long Life Series

Upgrade

**550V
LINEUP**

LJ

↑ Long Life
LG

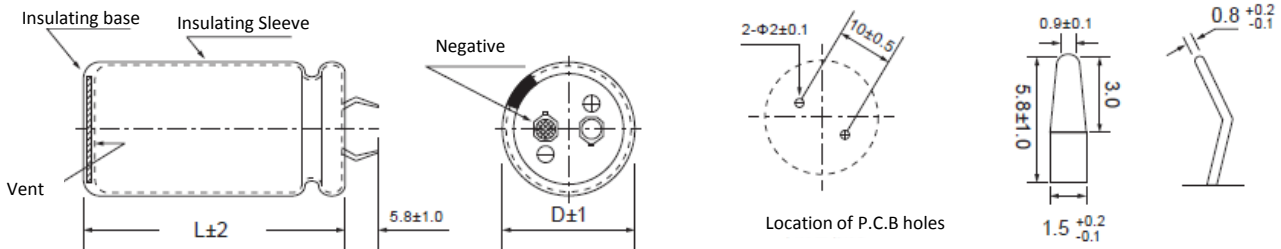


- Endurance: 105°C 3000 hours
- Recommended Applications : Smoothing circuit, TV/Monitor, Adapter, SMPS
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics									
Category Temperature Range	-40 ~ +105°C					-25 ~ +105°C				
Rated Voltage Range	10 ~ 100VDC					160 ~ 550VDC				
Rated Capacitance Range	560 ~ 68000 µF					47 ~ 2200 µF				
Capacitance Tolerance	± 20 % (120Hz , 20°C)									
Leakage Current (20°C)	I = 3√CV. (After rated voltage applied for 5minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), 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
	tan δ	0.55	0.45	0.4	0.35	0.3	0.25	0.15	0.2	0.25
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz									
	Rated voltage(V)	10~16	25	35	50~63	80~100	160~400	450	500	550
	Z-25°C / Z+20°C	4	3	3	2	2	4	8	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 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	After placed at 105°C without voltage applied for 1000 hours,the capacitor shall meet the same requirements as Endurance.									

■ Dimensions [mm]



■ Multiplier for Ripple Current

Freq. (Hz)	50	60	120	400	1K	2.4K	5K	10K~100K
10~450V	0.80	0.85	1.00	1.14	1.23	1.30	1.36	1.40
500~550V	0.70	0.72	1.00	1.16	1.30	1.32	1.36	1.41

STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)		
10(13)	10000	22x25	1.80	0.073	25(32)	12000	25x45	3.22	0.050		
	12000	22x30	2.05	0.061			30x35	3.19	0.050		
		25x25	2.05	0.061			35x25	3.10	0.050		
	15000	22x35	2.45	0.049			15000	25x50	3.43	0.040	
		25x30	2.45	0.049				30x40	3.47	0.040	
		30x25	2.55	0.049				35x30	3.40	0.040	
	18000	22x40	2.94	0.041		18000	30x45	3.94	0.033		
		25x30	2.80	0.041			35x35	3.90	0.033		
		30x30	3.11	0.041		22000	30x50	4.30	0.027		
	22000	22x45	3.24	0.033			35x40	4.30	0.027		
		25x35	3.15	0.033		27000	35x45	4.85	0.022		
		30x30	3.28	0.033			35(44)	2700	22x25	1.45	0.196
	27000	35x25	3.37	0.033		3300		22x30	1.60	0.161	
		25x40	3.50	0.027		3900		22x30	1.80	0.136	
		30x35	3.67	0.027				4700	22x35	2.23	0.113
	33000	35x30	3.78	0.027		5600			25x25	2.10	0.113
		25x45	4.00	0.022				22x40	2.41	0.095	
		30x40	4.20	0.022				25x30	2.30	0.095	
39000	35x30	4.08	0.022	6800	30x25	2.37		0.095			
	25x50	4.45	0.019		22x45	2.68		0.078			
	30x45	4.67	0.019		8200	25x35		2.60	0.078		
47000	35x35	4.63	0.019	8200		30x30		2.70	0.078		
	35x40	4.90	0.016		22x50	3.02		0.065			
	56000	35x45	5.50		0.013	25x40		2.93	0.065		
68000	30x50	6.05	0.011	50(63)	10000	30x30		2.90	0.065		
16(20)	6800	22x25	1.80			0.107		12000	35x25	2.96	0.065
		22x30	2.05			0.089			25x45	3.20	0.0531
		25x25	2.05		0.089	30x35			3.20	0.0531	
	8200	22x35	2.45		0.073	15000		35x30	3.30	0.0531	
		25x30	2.45		0.073		25x50	3.64	0.044		
		22x40	2.73		0.061		18000	30x40	3.67	0.044	
	10000	25x30	2.60		0.061	22000		35x30	3.60	0.044	
		30x25	2.68		0.061			30x45	4.04	0.035	
		22x45	2.99		0.049		35x35	4.00	0.035		
	12000	25x35	2.90		0.049	3300	35x40	4.60	0.029		
		30x30	3.02		0.049		3900	35x50	5.10	0.024	
		22x50	3.43		0.041			1500	22x25	1.25	0.309
	15000	25x40	3.33		0.041	1800		22x30	1.45	0.258	
		30x30	3.30		0.041	2200	22x30	1.60	0.211		
		35x25	3.37		0.041		25x25	1.60	0.211		
	18000	25x45	3.70		0.033	2700	22x35	1.80	0.172		
		30x35	3.70		0.033		25x30	1.80	0.172		
		35x30	3.81	0.033	3300		22x40	2.05	0.141		
22000	30x40	4.15	0.027	3900		25x30	1.95	0.141			
	35x35	4.27	0.027			30x25	2.01	0.141			
	30x50	4.65	0.022		4700	22x45	2.27	0.119			
27000	35x40	4.65	0.022	5600		25x35	2.20	0.119			
	39000	35x45	5.25			0.019	30x30	2.29	0.119		
	47000	35x50	5.80		0.016	6800	22x50	2.50	0.099		
25(32)	3900	22x25	1.50	0.153	8200		25x40	2.42	0.099		
		22x30	1.80	0.127			30x30	2.40	0.099		
	4700	22x30	1.95	0.107		8200	35x25	2.45	0.099		
		25x25	1.95	0.107	10000		25x45	2.70	0.083		
	5600	22x35	2.20	0.088			12000	30x35	2.70	0.083	
		25x30	2.20	0.088		35x30		2.78	0.083		
	6800	22x40	2.47	0.073	1200	30x40		3.06	0.068		
		25x35	2.50	0.073		35x30	3.00	0.068			
		30x25	2.45	0.073		63(79)	30x45	3.38	0.057		
	8200	22x45	2.75	0.060	63(79)		35x35	3.35	0.057		
		25x40	2.80	0.060			10000	35x40	3.70	0.046	
		30x30	2.75	0.060		12000	35x50	4.20	0.039		
	10000	22x50	3.13	0.050							

STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)		
63(79)	1500	22x30	1.45	0.265	100(125)	2200	25x50	2.75	0.151		
		22x25	1.45	0.265			30x40	2.75	0.151		
	22x35	1.60	0.221	35x35			2.86	0.151			
	1800	25x30	1.60	0.221		2700	30x45	3.08	0.123		
		22x40	1.89	0.181			35x35	3.05	0.123		
	2200	25x30	30x25	1.80		0.181	3300	30x50	3.45	0.100	
			30x25	1.85		0.181		35x40	3.45	0.100	
	2700	22x45	22x45	2.06		0.147	3900	35x45	3.90	0.085	
			25x35	2.00		0.147		4700	35x50	4.30	0.071
			30x30	2.08		0.147		160(200)	270	22x25	0.85
	3300	25x40	2.32	0.121	330	22x30	1.00		0.603		
		30x30	2.30	0.121	390	22x30	1.15		0.510		
	3900	35x25	35x25	2.35		0.121	25x25		1.15	0.510	
			25x45	2.55	0.102	470	22x35		1.30	0.423	
			30x35	2.55	0.102		25x30		1.30	0.423	
	4700	35x30	35x30	2.63	0.102	560	22x40		1.57	0.355	
			25x50	2.83	0.085		25x30		1.50	0.355	
			30x40	2.86	0.085		30x25		1.54	0.355	
	5600	30x45	35x30	2.80	0.085	680	22x45		1.75	0.293	
			30x45	3.18	0.071		25x35	1.70	0.293		
6800	35x35	35x35	3.15	0.071	820	30x30	1.77	0.293			
		30x50	3.50	0.059		22x50	2.03	0.243			
8200	35x40	35x40	3.50	0.059		25x40	1.97	0.243			
		35x45	3.90	0.049	30x30	1.95	0.243				
80(100)	820	22x25	1.20	0.404	1000	25x45	2.15	0.199			
		22x30	1.35	0.332		25x40	2.15	0.199			
	1000	22x35	22x35	1.59	0.276	1200	30x35	2.15	0.199		
			25x25	1.50	0.276		35x30	2.21	0.199		
	1200	22x40	22x40	1.78	0.221	1500	30x40	2.45	0.166		
			25x30	1.70	0.221		35x35	2.52	0.166		
	1500	30x25	30x25	1.75	0.221	1800	30x50	2.75	0.133		
			22x45	2.01	0.184		35x40	2.75	0.133		
			25x35	1.95	0.184	2200	35x45	3.00	0.111		
	1800	30x30	30x30	2.03	0.184	180(225)	270	22x25	0.85	0.737	
			25x40	2.17	0.151		330	22x30	1.10	0.603	
	2200	30x30	30x30	2.15	0.151		390	22x35	1.32	0.510	
			35x25	2.19	0.151			25x25	1.25	0.510	
			25x45	2.45	0.123		470	22x40	1.47	0.423	
	30x35	2.45	0.123	25x30	1.40			0.423			
	2700	35x30	35x30	2.52	0.123		560	22x45	1.70	0.355	
			30x40	2.75	0.100			25x35	1.63	0.355	
	3300	35x35	35x35	2.83	0.100			680	30x25	1.60	0.355
			30x45	3.13	0.085		22x50		1.87	0.293	
	3900	35x35	35x35	3.10	0.085	820	25x40	1.82	0.293		
4700			35x40	3.40	0.071		30x30	1.80	0.293		
5600	25x50	25x50	3.80	0.059	1000		35x25	1.84	0.293		
		22x25	1.20	0.592		25x45	2.05	0.243			
100(125)	680	22x30	1.35	0.488	1200	30x35	2.05	0.243			
		22x30	1.50	0.404		35x30	2.11	0.243			
	820	25x25	25x25	1.50	0.404	1500	25x50	2.27	0.199		
			22x35	1.70	0.332		30x40	2.29	0.199		
	1000	25x30	25x30	1.70	0.332	1800	35x30	2.25	0.199		
			22x40	1.97	0.276		30x45	2.57	0.166		
	1200	25x35	25x35	1.99	0.276	220	35x35	2.55	0.166		
			30x25	1.95	0.276		270	22x25	0.85	0.905	
			22x45	2.15	0.221	330	22x30	1.00	0.737		
	25x40	2.19	0.221	25x25	1.15		0.603				
	1500	30x30	30x30	2.15	0.221	390	22x35	1.30	0.510		
			35x25	2.21	0.221		200(250)	220	22x25	0.85	0.905
			25x45	2.45	0.184	270		22x30	1.00	0.737	
	1800	30x35	30x35	2.45	0.184	330	22x30	1.15	0.603		
			35x30	2.52	0.184		390	22x35	1.30	0.510	

STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ D x L (mm)	Ripple current (A _{rms} 105°C) (120Hz)	ESR (Ω, 20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ D x L (mm)	Ripple current (A _{rms} 105°C) (120Hz)	ESR (Ω, 20°C) (120Hz)
200(250)	390	25x30	1.30	0.510	315(365)	390	30x45	1.71	0.510
	470	22x40	1.52	0.423			35x30	1.60	0.510
		25x35	1.54	0.423		30x50	1.85	0.423	
		30x25	1.49	0.423		35x35	1.75	0.423	
		22x45	1.70	0.355		35x40	2.00	0.355	
	560	25x35	1.65	0.355		680	35x45	2.20	0.293
		30x30	1.72	0.355	350(400)	82	22x25	0.60	2.426
		680	25x45	1.97		0.293	100	22x30	0.70
	30x35		1.97	0.293		25x25		0.70	1.989
	35x30		2.02	0.293		120		22x35	0.80
	820	25x45	2.20	0.243			25x30	0.80	1.658
		30x35	2.10	0.243		150	22x40	0.86	1.326
		35x30	2.16	0.243			25x35	0.87	1.326
	1000	30x45	2.32	0.199			30x25	0.85	1.326
		35x35	2.30	0.199		180	22x45	1.05	1.105
1200		30x50	2.75	0.166			25x40	1.07	1.105
	35x40	2.75	0.166	30x30			1.05	1.105	
1500	35x45	2.90	0.133	22x50		1.16	0.905		
		2.90	0.133	25x45		1.20	0.905		
250(300)	150	22x25	0.75	1.330		220	30x35	1.18	0.905
	180	22x30	0.85	1.110			35x25	1.15	0.905
		22x30	1.00	0.905	270		25x50	1.31	0.737
	25x25	1.00	0.905	30x40			1.33	0.737	
	270	22x35	1.22	0.737	35x30		1.30	0.737	
		25x25	1.15	0.737	330		30x45	1.46	0.603
	330	22x40	1.36	0.603			35x35	1.45	0.603
		25x30	1.30	0.603			390	30x50	1.65
	390	22x45	1.54	0.510	35x40			1.65	0.510
		25x35	1.48	0.510	470			35x45	1.85
		30x25	1.45	0.510		560	35x50	2.10	0.355
		35x25	1.59	0.510	400(450)	68	22x25	0.55	2.926
	470	22x50	1.78	0.423		82	22x30	0.65	2.426
		25x40	1.75	0.423			25x25	0.65	2.426
		30x30	1.72	0.423			100	22x35	0.79
		35x30	1.88	0.423		25x25		0.75	1.989
	560	25x40	1.80	0.355		120	22x40	0.89	1.658
		30x35	1.89	0.355			25x30	0.85	1.658
		35x30	1.94	0.355		150	30x25	0.87	1.658
	680	25x50	2.10	0.293			22x45	0.93	1.326
		30x40	2.10	0.293			25x35	0.90	1.326
		35x35	2.18	0.293		180	30x30	0.94	1.326
	820	30x45	2.30	0.243			35x25	0.96	1.326
		35x40	2.39	0.243			220	22x50	1.14
		1000	30x50	2.55		0.199		25x450	1.11
35x45	2.65		0.199	30x30		1.10		1.105	
1200	35x50	2.90	0.166	35x25	1.12	1.105			
		2.90	0.166	270	25x45	1.20	0.905		
315(365)	82	22x25	0.55		2.426	330	30x35	1.20	0.905
	100	22x30	0.65		1.989		35x30	1.24	0.905
		22x30	0.75	1.658	25x50		1.36	0.737	
	120	25x25	0.75	1.658		30x40	1.38	0.737	
		22x35	0.80	1.326	35x30	1.35	0.737		
	25x30	0.80	1.326	390		30x45	1.51	0.603	
	150	22x40	1.01		1.105	35x35	1.50	0.603	
		180	25x35	1.02	1.105	470	35x50	1.70	0.510
			30x25	1.00	1.105		35x40	1.70	0.510
	220	22x45	1.10	0.905	560	22x25	0.55	5.921	
		25x40	1.12	0.905		68	22x30	0.65	4.876
		30x30	1.10	0.905	82	22x35	0.80	4.044	
	270	25x45	1.25	0.737		25x25	0.75	4.044	
		30x35	1.25	0.737		100	22x40	0.89	3.316
	330	25x50	1.53	0.603					
30x40		1.53	0.603						
35x30		1.50	0.603						

STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	
450(500)	100	25x30	0.85	3.316	500(550)	180	25x50	1.20	1.842	
	120	22x45	0.95	2.763		180	30x40	1.17	1.842	
		25x35	0.92	2.763			35x30	1.10	1.842	
		30x25	0.90	2.763		220	30x45	1.33	1.507	
		22x50	1.14	2.210			35x35	1.23	1.507	
	150	25x40	1.11	2.210		270	30x50	1.50	1.228	
		30x30	1.10	2.210			35x40	1.42	1.228	
		180	25x45	1.25		1.842	330	35x45	1.60	1.005
	30x35		1.24	1.842		390	35x50	1.78	0.850	
	35x25		1.20	1.842		470	35x60	2.03	0.705	
	220	25x50	1.36	1.507	550(600)	47	22x30	0.55	8.823	
		30x40	1.38	1.507		56	22x35	0.64	7.405	
			35x30	1.35		1.507	68	25x30	0.71	6.098
		270	30x45	1.51		1.228	82	22x40	0.82	5.057
			35x35	1.50		1.228		25x35	0.83	5.057
		330	30x50	1.70		1.005		30x25	0.81	5.057
			35x40	1.70		1.005	100	22x45	0.87	4.147
		390	35x45	1.90		0.850		30x30	0.88	4.147
470			35x50	2.10		0.705	120	22x50	1.00	3.456
		47	22x25	0.51		7.055		25x40	0.97	3.456
56	22x30	0.58	5.912	150		30x35		1.02	3.456	
68	25x25	0.65	4.876			35x25	0.98	3.456		
82	22x35	0.72	4.044			180	25x45	1.15	2.765	
	25x30	0.74	4.044	30x40			1.21	2.765		
100	22x45	0.83	3.316	35x30			1.18	2.765		
	30x25	0.82	3.316	220		30x45	1.26	2.304		
22x50		0.93	2.763			35x35	1.24	2.304		
120	25x35	0.93	2.763	270		30x50	1.45	1.885		
		30x30	0.91		2.763	35x40	1.45	1.885		
	150	25x45	1.08	2.210	330	35x45	1.68	1.536		
30x35		1.04	2.210	390	35x50	1.95	1.257			
35x25		0.99	2.210	35x60	2.12	1.063				

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)