

LQ Long Life Series
Upgrade

- Endurance: 105°C 5000 hours
- Recommended Applications : Smoothing circuit, TV/Monitor,Adapter, SMPS
- Corresponding product to RoHS

550V
LINEUP

LQ

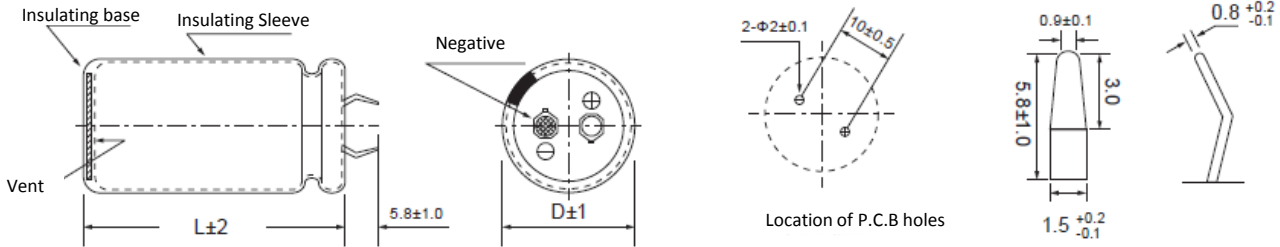
↑ Long Life
LJ



■ SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-25 ~ +105°C						
Rated Voltage Range	160 ~ 550VDC						
Rated Capacitance Range	56 ~ 2200 μF						
Capacitance Tolerance	± 20 % at 120Hz , 20°C						
Leakage Current (20°C)	I = 3√CV. (After rated voltage applied for 5 minutes) I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)						
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	160	180	200	250~400	420~450	500~550
	tan δ	0.15	0.15	0.15	0.15	0.20	0.25
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz						
	Rated voltage(V)	160~400	450	500	550		
	Z-25°C / Z+20°C	4	8	8	8		
Endurance	After applying rated voltage with rated Ripple current for 5000hrs at 105°C,when the capacitors are restored to 20°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					
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
160~450V	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)
160(200)	270	22x25	0.85	0.737	200(250)	680	35x30	2.02	0.293
	330	22x30	1.00	0.603		820	25x45	2.20	0.243
	390	22x30	1.15	0.51			30x35	2.10	0.243
		25x25	1.15	0.51			35x30	2.16	0.243
	470	22x35	1.30	0.423		1000	30x45	2.32	0.199
		25x30	1.30	0.423			35x35	2.30	0.199
	560	22x40	1.57	0.355		1200	30x50	2.75	0.166
		25x30	1.50	0.355			35x40	2.75	0.166
		30x25	1.54	0.355		1500	35x45	2.90	0.133
	680	22x45	1.75	0.293		250 (300)	150	22x25	0.75
		25x35	1.70	0.293	180		22x30	0.85	1.110
		30x30	1.77	0.293	220		22x30	1.00	0.905
	820	22x50	2.03	0.243			25x25	1.00	0.905
		25x40	1.97	0.243			270	22x35	1.22
	30x30	1.95	0.243	22x25	1.15			0.737	
	1000	35x25	1.99	0.243	330		22x40	1.36	0.603
		25x45	2.15	0.199			25x30	1.30	0.603
		30x35	2.15	0.199	390		22x45	1.54	0.510
	35x30	2.21	0.199	25x35			1.48	0.510	
	1200	30x40	2.45	0.166		30x25	1.45	0.510	
35x35		2.52	0.166	35x25	1.59	0.510			
1500	30x50	2.75	0.133	470	22x50	1.78	0.423		
	35x40	2.75	0.133		25x40	1.75	0.423		
1800	35x45	3.00	0.111		30x30	1.72	0.423		
	2200	35x50	3.50		0.09	35x30	1.88	0.423	
180(225)	270	22x25	0.85		0.737	25x40	1.80	0.355	
	330	22x30	1.10		0.603	30x35	1.89	0.3550	
	390	22x35	1.32	0.51	35x30	1.94	0.3550		
		25x25	1.25	0.51	25x50	2.10	0.2930		
	470	22x40	1.47	0.423	680	30x40	2.10	0.293	
		25x30	1.40	0.423		35x35	2.18	0.293	
	560	22x45	1.70	0.355	820	30x45	2.30	0.243	
		25x35	1.63	0.355		35x40	2.39	0.243	
		30x25	1.60	0.355	1000	30x50	2.55	0.199	
	680	22x50	1.87	0.293		35x45	2.65	0.199	
		25x40	1.82	0.293	1200	35x50	2.90	0.166	
		30x30	1.80	0.293	315(365)	82	22x25	0.55	2.426
	820	35x25	1.84	0.293		100	22x30	0.65	1.989
		25x45	2.05	0.243		120	22x30	0.75	1.658
		30x35	2.05	0.243			25x25	0.75	1.658
	1000	35x30	2.11	0.243		150	22x35	0.80	1.326
		25x50	2.27	0.199			25x30	0.80	1.326
		30x40	2.29	0.199		180	22x40	1.01	1.105
	35x30	2.25	0.199	25x35			1.02	1.105	
	1200	30x45	2.57	0.166			30x25	1.00	1.105
35x35		2.55	0.166	220		22x45	1.10	0.905	
1500	35x40	2.85	0.133		25x40	1.12	0.905		
1800	35x50	3.10	0.111		30x30	1.10	0.905		
200(250)	220	22x25	0.85	0.905	350(400)	82	22x25	0.60	2.426
	270	22x30	1.00	0.737		100	22x30	0.70	1.989
	330	22x30	1.15	0.603			25x25	0.70	1.989
		25x25	1.15	0.603		270	25x45	1.25	1.737
	390	22x35	1.30	0.510			30x35	1.25	0.737
		25x30	1.30	0.510			330	25x50	1.53
	470	22x40	1.52	0.423		30x40		1.53	0.603
		25x35	1.54	0.423		35x30	1.50	0.603	
	560	30x25	1.49	0.423		390	30x45	1.71	0.510
		22x45	1.70	0.355			35x30	1.50	0.603
		25x30	1.65	0.355	470	30x50	1.60	0.510	
	30x30	1.72	0.355	35x50		1.85	0.423		
	680	25x45	1.97	0.293	560	35x35	1.75	0.423	
		30x35	1.97	0.293		35x40	2.00	0.355	
				680	35x45	2.20	0.293		

■ STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms105°C) (120Hz)	ESR (Ω,20°C) (120Hz)	
350(400)	120	25x35	0.80	1.658	350(400)	82	22x35	0.80	4.044	
		25x30	0.80	1.658			25x25	0.75	4.044	
	150	22x40	0.86	1.326		100	22x40	0.89	3.316	
		25x35	0.87	1.326			25x30	0.85	3.316	
		30x25	0.85	1.326			22x45	0.95	2.763	
	180	22x45	1.05	1.105		120	25x35	0.92	2.763	
		25x40	1.07	1.105			30x25	0.90	2.763	
		30x30	1.05	1.105			22x50	1.14	2.210	
	220	22x50	1.16	0.905		150	25x40	1.11	2.210	
		25x45	1.20	0.905			30x30	1.10	2.210	
		30x35	1.18	0.905			25x45	1.25	1.842	
		30x25	1.15	0.905		30x35	1.25	1.842		
	270	25x50	1.31	0.737		180	35x25	1.20	1.842	
		30x40	1.33	0.737			25x50	1.36	1.507	
		35x30	1.30	0.737			30x40	1.38	1.507	
	330	30x45	1.46	0.603		220	35x30	1.35	1.507	
		35x35	1.45	0.603			30x45	1.51	1.228	
	390	30x50	1.65	0.510		270	35x35	1.50	1.228	
		35x40	1.65	0.510			30x50	1.70	1.005	
	470	35x45	1.85	0.423		330	35x40	1.70	1.005	
560	35x50	2.10	0.355	390	35x45		1.90	0.850		
400(450)	68	22x25	0.55	2.926	400(450)	470	35x50	2.10	0.705	
	82	22x30	0.65	2.426		100	30x25	0.82	4.147	
		25x25	0.65	2.426			120	30x30	0.91	3.456
	100	22x35	0.79	1.989		150	35x25	0.88	3.456	
		25x25	0.50	1.989			30x35	1.04	2.765	
	120	22x40	0.89	1.658		180	30x40	1.17	2.304	
		25x30	0.85	1.658			35x30	1.10	2.304	
		30x25	0.87	1.658			30x45	1.33	1.885	
	150	22x45	0.93	1.326		220	35x35	1.23	1.885	
		25x35	0.90	1.326			30x50	1.50	1.536	
		30x30	0.94	1.326			35x40	1.42	1.536	
		35x25	0.96	1.326			330	35x45	1.60	1.257
	180	22x50	1.14	1.105		390	35x50	1.78	1.063	
		25x40	1.11	1.105			470	35x60	2.03	0.882
		30x30	1.10	1.105			550(600)	100	22x40	0.83
	35x25	1.12	1.105	120		30x30		0.84	4.147	
	25x45	1.20	0.905			150		22x45	0.95	3.456
	35x35	1.20	0.905	30x35				1.00	3.456	
	35x30	1.24	0.905	180		22x50		1.12	2.765	
	25x50	1.36	0.737			30x40		1.15	2.765	
270	30x40	1.38	0.737	220	35x30	1.12		2.765		
	35x30	1.35	0.737		30x45	1.23		2.304		
400(450)	330	30x45	1.51	0.603	270	35x35		1.21	2.304	
		35x35	1.50	0.603		30x50		1.42	1.885	
	390	30x50	1.70	0.510	330	35x40	1.41	1.885		
		35x40	1.70	0.510		270	35x45	1.56	1.536	
470	35x45	1.90	0.423	390	35x50	1.81	1.257			
450(500)	56	22x25	0.55	5.921	390	35x60	2.12	1.063		
	68	22x30	0.65	4.876						

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)