

**LF**

Long Life Series

Upgrade

**550V  
LINEUP**

**LF**

↑ Long Life  
LH

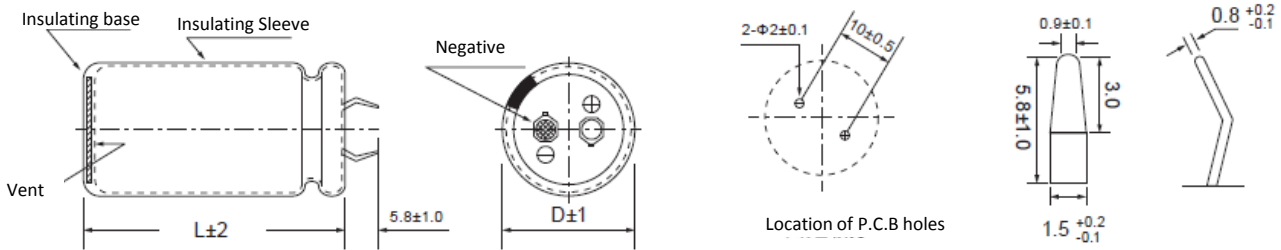


- Endurance: 85°C 3000hours
- Recommended Applications : Smoothing circuit, TV/Monitor, Adapter, SMPS
- Corresponding product to RoHS

**SPECIFICATIONS**

Item	Characteristics									
Category Temperature Range	-40 ~ +85°C					-25 ~ +85°C				
Rated Voltage Range	10 ~ 100VDC					160 ~ 550VDC				
Rated Capacitance Range	820 ~ 56000 µF					47 ~ 2200 µF				
Capacitance Tolerance	± 20 % ( 120Hz , 20°C)									
Leakage Current (20°C)	I = 3√CV. (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
	tan δ	0.55	0.45	0.40	0.35	0.30	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	450	500	550
	Z-25°C / Z+20°C	3	3	3	2	2	4	8	8	8
	Z-40°C / Z+20°C	12	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								
Shelf Life	After placed at 85°C without voltage applied for 1000 hours,the capacitor shall meet the same requirements as Endurance.									
	Leakage current	initial specified value or less								

**Dimensions [mm]**



**Multiplier for Ripple Current**

Freq. (Hz)	50	60	120	400	1K	2.4K	5K	10K~100K
coefficient	0.8	0.85	1.0	1.14	1.23	1.3	1.36	1.4

**LF**

Long Life Series

Upgrade

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)	
10(13)	12000	22x25	2.45	0.061	25(32)	22000	30x45	4.90	0.027	
	15000	22x30	2.80	0.049			35x35	4.85	0.027	
	18000	22x35	3.34	0.041			30x50	5.45	0.022	
		25x25	3.15	0.041	35x40	5.45	0.022			
	22000	22x40	3.67	0.033	33000	35x45	6.15	0.018		
		25x30	3.50	0.033	35(44)	3900	22x25	2.10	0.136	
		30x25	3.60	0.033		4700	22x30	2.30	0.113	
	27000	22x45	4.12	0.027		25x25	2.30	0.113		
		25x35	4.00	0.027		5600	22x35	2.60	0.095	
		30x30	4.16	0.027			25x30	2.62	0.095	
	33000	22x50	4.63	0.022			30x25	2.70	0.095	
		25x40	4.49	0.022		35x25	2.99	0.095		
		30x30	4.45	0.022		6800	22x40	2.90	0.078	
	35x25	4.54	0.022	25x35			2.93	0.078		
	39000	25x45	4.90	0.019			30x30	3.07	0.078	
		30x35	4.90	0.019		35x25	3.13	0.078		
		35x30	5.05	0.019		8200	22x45	3.30	0.065	
	47000	25x50	5.55	0.016			25x35	3.20	0.065	
30x40		5.61	0.016	30x30			3.33	0.065		
56000	35x30	5.50	0.016	35x25		3.42	0.065			
	30x45	6.11	0.013	10000		22x50	3.74	0.053		
35x35	6.05	0.013	25x40			3.64	0.053			
16(20)	8200	22x25	2.45			0.089	30x30	3.60	0.053	
	10000	22x30	2.60	0.073	35x25	3.67	0.053			
	12000	22x35	3.10	0.061	12000	25x45	4.00	0.044		
		25x25	2.90	0.061		30x35	4.00	0.044		
	15000	22x40	3.46	0.049		35x30	4.12	0.044		
		25x30	3.30	0.049	15000	30x40	4.60	0.035		
		30x25	3.40	0.049		35x35	4.47	0.035		
	18000	22x45	3.81	0.041		18000	30x45	5.10	0.029	
		25x35	3.70	0.041	35x40	5.30	0.029			
		30x30	3.85	0.041	22000	35x45	5.70	0.024		
	22000	22x50	4.32	0.033	27000	35x50	6.45	0.020		
		25x45	4.40	0.033	50(63)	2200	22x25	1.80	0.211	
		30x30	4.15	0.033		2700	22x30	1.95	0.172	
		35x25	4.23	0.033		3300	22x35	2.33	0.141	
		25x45	4.65	0.027			25x25	2.20	0.141	
		27000	25x45	4.65		0.027	3900	22x40	2.52	0.119
	30x35		4.65	0.027		25x30		2.40	0.119	
	35x30		4.79	0.025		4700	22x45	2.78	0.099	
33000	30x40	5.25	0.022	25x35			2.70	0.099		
	35x35	5.41	0.022	30x30			2.82	0.099		
39000	30x45	5.86	0.019	35x25		2.89	0.099			
	35x35	5.80	0.019	5600		25x35	3.00	0.083		
47000	35x40	6.45	0.016			30x30	3.12	0.083		
	35x40	6.45	0.016			35x25	3.21	0.083		
25(32)	5600	22x25	2.20	0.107		6800	25x40	3.35	0.068	
	6800	22x30	2.45	0.088			30x35	3.52	0.068	
		25x25	2.45	0.088			35x30	3.62	0.068	
	8200	22x35	2.75	0.073			8200	25x50	3.74	0.057
		25x30	2.75	0.073				30x40	3.77	0.057
	35x30	3.70	0.057	10000	30x45			4.24	0.046	
	10000	22x40	3.25		0.06	35x35	4.20	0.046		
		25x30	3.10		0.06	12000	30x50	4.65	0.039	
	12000	30x25	3.19	0.06	35x40		4.65	0.039		
		22x45	3.50	0.05	15000	35x45	5.30	0.031		
		25x35	3.40	0.05	18000	35x50	5.90	0.026		
	15000	30x30	3.54	0.05	63(79)	1800	22x25	1.80	0.221	
		35x25	3.64	0.05		2200	225x30	2.00	0.181	
		25x45	3.90	0.04			25x25	2.00	0.181	
	30x40	4.10	0.04	2700		22x35	2.30	0.147		
		35x30	4.21			0.04				
	18000	25x45	4.30	0.033						
		30x40	4.51	0.033						
35x30		4.39	0.033							

STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)	
63(79)	2700	25x30	2.30	0.147	100(125)	2200	35x25	3.11	0.151	
	3300	22x40	2.68	0.121		2700	25x45	3.45	0.123	
		25x30	2.55	0.121			30x35	3.45	0.123	
		30x25	2.63	0.121			35x30	3.55	0.123	
		22x45	2.88	0.102			3300	25x50	3.94	0.100
	3900	25x35	2.80	0.102		30x40		3.98	0.100	
		30x30	2.91	0.102		35x30		3.90	0.100	
		22x50	3.28	0.085		3900		30x45	4.34	0.085
	4700	25x40	3.18	0.085			35x35	4.30	0.085	
		30x30	3.15	0.085		4700	35x40	4.75	0.071	
		35x25	3.21	0.085		5600	35x50	5.30	0.059	
	5600	25x45	3.50	0.071		160(200)	330	22x25	1.15	0.603
		30x35	3.50	0.071			390	22x30	1.30	0.510
		35x30	3.60	0.071			470	22x35	1.59	0.423
		25x50	3.94	0.059				25x30	1.62	0.423
	6800	30x40	3.98	0.059			560	22x35	1.70	0.355
35x30		3.90	0.059	25x30	1.70			0.355		
8200	30x45	4.39	0.049	680	22x40		1.97	0.293		
	35x35	4.35	0.049		25x35		1.99	0.293		
10000	30x50	4.90	0.040		30x25		1.95	0.293		
	35x40	4.90	0.040	820	22x50		2.32	0.243		
12000	35x50	5.45	0.033		25x40		2.28	0.243		
	30x30	2.24	0.243		1000		30x30	2.24	0.243	
80(100)	1200	22x25	1.70	0.276			25x45	2.58	0.199	
	1500	22x30	1.95	0.221	1200		30x35	2.57	0.199	
		25x25	1.95	0.221			35x30	2.65	0.199	
	1800	22x35	2.15	0.184	1500		25x50	2.78	0.166	
		25x30	2.15	0.184		30x40	2.80	0.166		
	2200	22x40	2.57	0.151	1800	35x35	2.92	0.166		
		25x30	2.45	0.151		30x45	3.03	0.133		
		30x25	2.52	0.151	2200	35x40	3.17	0.133		
	2700	22x45	2.83	0.123		30x50	3.50	0.111		
		25x35	2.75	0.123	2700	35x45	3.67	0.111		
		30x30	2.86	0.123		35x50	4.08	0.090		
	100(125)	3300	22x50	3.22	0.100	180(225)	270	22x25	1.10	0.737
			25x40	3.13	0.100		330	22x30	1.25	0.603
			30x30	3.10	0.100		390	22x30	1.40	0.510
			35x25	3.16	0.100			25x25	1.40	0.510
		3900	25x45	3.40	0.085		470	22x35	1.60	0.423
30x35			3.40	0.085	25x30			1.60	0.423	
35x30			3.50	0.085	560		22x40	1.89	0.355	
25x50		3.84	0.071	25x30			1.80	0.355		
30x40		3.88	0.071	30x25			1.85	0.355		
4700		35x35	4.04	0.071	680		22x45	2.11	0.292	
		30x45	4.24	0.059			25x35	2.05	0.292	
5600		35x40	4.43	0.059			820	30x30	2.13	0.292
		30x50	4.70	0.049	22x50			2.34	0.234	
6800		35x45	4.93	0.049	1000			25x40	2.27	0.234
		30x50	5.25	0.040			30x30	2.25	0.234	
100(125)		820	22x25	1.70			0.404	1200	35x30	2.45
	22x30		1.95	0.332	25x50	2.67	0.199			
	25x25		1.95	0.332	1500	30x35	2.55		0.199	
	1000	22x35	2.15	0.276		35x30	2.63	0.199		
		25x30	2.15	0.276	1800	30x40	2.85	0.166		
	1200	22x40	2.57	0.221		35x35	2.93	0.166		
		25x30	2.45	0.221	2200	30x50	3.10	0.130		
		30x25	2.52	0.221		35x40	3.10	0.130		
	1500	22x45	2.83	0.184	270	22x25	1.00	0.905		
		25x35	2.75	0.184		25x25	1.08	0.905		
		30x30	2.86	0.184	270	22x30	1.15	0.737		
		22x50	3.17	0.151		25x25	1.15	0.737		
	1800	25x40	3.08	0.151						
		30x30	3.05	0.151						

STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR (Ω,20°C) (120Hz)		
200(250)	330	22x30	1.29	0.603	315 (365)	330	25x40	1.60	0.603		
		25x25	1.30	0.603			30x35	1.68	0.603		
	390	22x35	1.45	0.510			35x30	1.74	0.603		
		25x30	1.45	0.510			390	25x45	1.75	0.510	
	470	30x25	1.51	0.510				30x35	1.75	0.510	
		22x40	1.67	0.423				35x30	1.80	0.510	
	560	680	25x30	1.68		0.423	470	30x40	2.00	0.423	
			30x25	1.65		0.423		35x35	2.06	0.423	
			33x56	1.94		0.355	560	30x45	2.20	0.355	
	25x35	1.87	0.355	35x40		2.29		0.355			
	820	1000	30x30	1.96		0.355	680	30x45	2.20	0.355	
			22x50	2.14		0.293		35x45	2.50	0.293	
			25x45	2.21		0.293	820	35x50	2.80	0.243	
			30x35	2.20		0.293		82	22x25	0.7	2.426
	250(300)	1200	35x30	2.27		0.293	350(400)	100	22x30	0.8	1.989
			25x50	2.32		0.243		120	22x30	0.85	1.658
			1000	30x35		2.22			0.243	25x25	0.85
		1200		35x30		2.30		0.243	150	22x35	1.11
			30x45	2.63		0.199		25x25		1.05	1.326
		315(365)	1500	35x35		2.60		0.199	180	22x40	1.16
30x50				2.90	0.166	25x35		1.17		1.105	
180			35x40	2.90	0.166	220		30x25		1.15	1.105
			220	35x45	3.11			0.133		22x45	1.34
270				180	22x25			1.00		1.110	25x35
			330	22x30	1.15	0.905		30x30		1.35	0.905
				25x25	1.15	0.905		35x25	1.39	0.905	
390	470		22x30	1.30	0.737	270	25x45	1.51	0.737		
			25x25	1.30	0.737		30x35	1.49	0.737		
	560		22x35	1.45	0.603	330	35x25	1.45	0.737		
			25x30	1.45	0.603		25x350	1.67	0.603		
	820		1000	22x40	1.62	0.510	390	30x40	1.68	0.603	
				25x35	1.63	0.510		35x30	1.65	0.603	
30x25				1.60	0.510	470	30x45	1.87	0.510		
1200	22x45		1.80	0.423	35x35		1.85	0.510			
	1500		25x40	1.84	0.423	560	30x50	2.10	0.423		
30x30			1.80	0.423	35x40		2.10	0.423			
400(450)	180		35x25	1.85	0.423	680	35x45	2.30	0.355		
		25x40	2.00	0.355	35x50		2.60	0.293			
	220	30x35	2.10	0.355	820		68	22x25	0.65	2.926	
		35x30	2.20	0.355			82	22x25	0.75	2.426	
	270	25x50	2.32	0.293			100	22x30	0.85	1.989	
		30x40	2.35	0.293				25x25	0.85	1.989	
	330	35x30	2.30	0.293		120	22x30	0.99	1.658		
		30x45	2.57	0.243			25x25	0.93	1.658		
	390	470	35x35	2.55	0.243	150	30x25	1.04	1.658		
			30x50	2.90	0.199		22x40	1.15	1.326		
		560	35x40	2.90	0.199	25x30	1.10	1.326			
			35x45	3.25	0.166	30x25	1.13	1.326			
315(365)		100	100	22x25	0.75	1.989	180	22x45	1.24	1.105	
			120	22x30	0.80	1.658		25x35	1.20	1.105	
	150	22x30	1.00	1.326	220	30x30	1.25	1.105			
		25x25	1.00	1.326		22x50	1.40	0.905			
	180	25x35	1.10	1.105	270	25x40	1.36	0.905			
		25x30	1.10	1.105		30x30	1.35	0.905			
200(250)	220	22x40	1.31	0.905	330	35x25	1.38	0.905			
		25x30	1.25	0.905		25x45	1.50	0.737			
	270	30x25	1.29	0.905	390	30x35	1.50	0.737			
		22x45	1.44	0.737		35x30	1.54	0.737			
	330	25x35	1.40	0.737	820	25x50	1.70	0.603			
		30x30	1.46	0.737		30x40	1.70	0.603			
400(450)	470	35x25	1.50	0.737	560	35x35	1.77	0.603			
		22x50	1.63	0.603		30x45	1.92	0.510			
450(500)	560	22x50	1.63	0.603	680	35x35	1.90	0.510			
		22x50	1.63	0.603							

STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	Ripple current (A/rms85°C) (120Hz)	ESR ( $\Omega$ ,20°C) (120Hz)		
400(450)	470	35x40	2.10	0.423	500(550)	120	25x40	1.19	3.456		
	560	35x50	2.30	0.355			30x30	1.17	3.456		
450(500)	56	22x25	0.65	5.921		150	25x45	25x45	1.40	2.765	
	68	22x30	0.75	4.876				30x35	30x35	1.40	2.765
	82	22x30	0.85	4.044					35x25	1.35	2.765
		25x25	0.85	4.044		180	25x50	1.61	2.304		
	100	22x35	0.90	3.316			30x40	1.62	2.304		
		25x30	0.90	3.316		35x30	1.58	2.304			
	120	22x40	1.11	2.763		220	30x45	1.75	1.885		
		25x35	1.12	2.763			35x35	1.72	1.885		
		30x25	1.10	2.763		270	30x50	1.88	1.536		
	150	22x50	1.25	2.210			35x40	1.85	1.536		
		25x40	1.21	2.210	330	35x45	1.98	1.257			
		30x30	1.20	2.210	390	35x50	2.19	1.063			
	180	25x45	1.40	1.842	550(600)	47	22x30	0.64	8.823		
		30x35	1.39	1.842		56	22x35	0.74	7.405		
		35x25	1.35	1.842		68	22x40	0.87	6.098		
		220	25x50	1.51		1.507	82	22x45	1.00	5.057	
			30x40	1.53		1.507		25x35	0.97	5.057	
			35x30	1.50		1.507	100	22x50	1.16	4.147	
270		30x45	1.72	1.228		25x40		1.13	4.147		
		35x35	1.70	1.228		30x30		1.11	4.147		
330		30x50	1.90	1.005		120	25x45	1.30	3.456		
		35x40	1.90	1.005			30x35	1.30	3.456		
390		35x45	2.10	0.850		150	25x50	1.46	2.765		
470		35x50	2.23	0.705			30x40	1.47	2.765		
	35x50	2.23	0.705	35x30			1.44	2.765			
500(550)	56	22x30	0.70	7.405		180	30x45	1.70	2.304		
	68	22x35	0.82	6.098			35x35	1.67	2.304		
	82	22x40	0.96	5.057			220	30x50	1.79	1.885	
		25x30	0.91	5.057		35x40		1.77	1.885		
	100	22x45	1.11	4.147		270	35x45	2.11	1.536		
		25x35	1.07	4.147	330		35x50	2.39	1.257		
	120	22x50	1.22	3.456							

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)