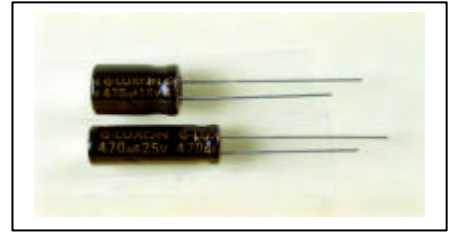


LZ Series

Features
 Lifetime: 105 ,2000hrs
 Wide temperature range
 Low Impedance

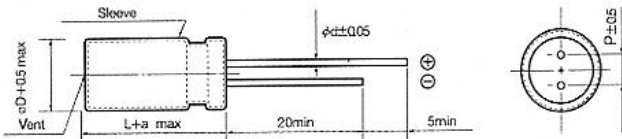
Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication
 Converter/Inverter
 Adapter
 SMPS



Specifications

Items	Characteristics									
Capacitance Tolerance	$\pm 20\%$ (M) (120Hz, 20)									
Rated Voltage Range (WV)	6.3~50 VDC									
Operating Temperature Range	-55 ~ +105									
Surge Voltage (V) (20)	WV	6.3	10	16	25	35	50	63	100	
	SV	8	13	20	32	44	63	79	125	
Leakage Current (Max) (20)	I = 0.01CV or 3 μ A whichever is greater (After rated voltage applied for 2 minutes)									
	I = Leakage Current (μ A) C = Nominal Capacitance (μ F) V = Rated Voltage (V)									
Dissipation Factor (Max) (tan) (120Hz ,20)	WV	6.3	10	16	25	35	50	63	100	
	tan	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	
When nominal capacitance is over 1000 μ F, tan shall be added 0.02 to the listed value with increase of every 1000 μ F.										
Low Temperature Stability Impedance Ratio (Max)	WV	6.3	10	16	25	35	50	63	100	
	Z (120Hz)									
	Z(-25) / Z(20)	4	3	3	3	3	2	2	2	
	Z(-40) / Z(20)	8	6	4	4	4	4	4	4	
Load Life	After applying rated voltage for 2000 hours at 105 , the capacitor shall meet the following requirement.									
	Capacitance Change	Within $\pm 20\%$ of the initial value								
	Dissipation Factor	Not more than 200% of the specified value								
	Leakage Current	Not more than the specified value								
Shelf Life	After placed at 105 without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life.									
Applicable standards	Refer to JIS C 5101									

Dimensions (mm)



D	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.6	0.6	0.6 (0.8)	0.8	0.8
a	1.0	1.0	1.0	1.0	2.0	2.0	2.0

() : L 30

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	50	120	1K	10K	100K
Coefficient	0.45	0.55	0.75	0.85	1.00

Temperature coefficient

Ambient Temperature ()	50	70	85	105
Coefficient	1.90	1.75	1.40	1.00



Case Size / Max Ripple Current / Impedance

CASE SIZE (DxL(mm)) / MAX PERMISSIBLE RIPPLE CURRENT (RC(mArms) / 100KHz,105) /
 MAX IMPEDANCE (Z() / 100KHz,20)

wv	6.3			10			16			25			35		
SPEC μ F	DxL	RC	Z	DxL	RC	Z	DxL	RC	Z	DxL	RC	Z	DxL	RC	Z
4.7													5x11	100	1.20
10													5x11	120	0.90
22													5x11	170	0.42
33													5x11	180	0.42
47							5x11	150	0.50	5x11	170	0.42	6.3x11	200	0.36
100				5x11	170	0.42	6.3x11	250	0.25	8x11	310	0.22	8x11	400	0.14
220				6.3x11	260	0.22	8x11	400	0.14	8x14	560	0.10	10x12.5	650	0.085
330	6.3x11	250	0.25	8x11	400	0.14	8x14	560	0.10	10x16	820	0.069	10x20	1070	0.044
470	8x11	400	0.14	8x14	560	0.10	10x12.5	680	0.085	10x16	900	0.068	10x25	1110	0.039
1000	8x14	700	0.10	10x16	900	0.068	10x20	1110	0.044	13x20	1200	0.038	13x25	1460	0.029
1200	10x16	810	0.064	10x20	1070	0.044	13x20	1200	0.038	13x25	1460	0.029	13x30	1670	0.025
1500	10x20	1070	0.044	10x25	1110	0.039	13x20	1420	0.036	13x30	1670	0.026	16x32	2150	0.024
2200	10x25	1100	0.042	13x20	1200	0.038	13x25	1670	0.030	13x36	2150	0.022	16x36	2530	0.019
3300	13x20	1250	0.038	13x25	1470	0.030	13x36	1890	0.022	16x36	2270	0.019	18x36	3100	0.016
4700	13x30	1740	0.025	13x36	1890	0.022	16x36	1920	0.019						
6800	16x26	1930	0.022	16x36	1920	0.019									
10000	16x36	2210	0.019												

wv	50			63			100		
SPEC μ F	DxL	RC	Z	DxL	RC	Z	DxL	RC	Z
4.7	5x11	85	2.00	5x11	90	2.00	5x11	95	2.00
10	5x11	100	1.70	5x11	110	2.00	6.3x11	120	1.00
22	5x11	150	0.70	6.3x11	180	1.00	8x11	220	0.53
33	6.3x11	190	0.65	6.3x11	200	0.90	8x14	260	0.40
47	6.3x11	220	0.52	8x11	260	0.80	10x20	400	0.35
100	8x14	440	0.25	10x15	540	0.30	13x20	720	0.20
220	10x16	530	0.20	10x20	620	0.090	16x26	950	0.070
330	10x25	810	0.072	13x25	990	0.060	16x32	1310	0.050
470	13x20	950	0.065	16x26	1460	0.050	18x32	1650	0.045
1000	16x26	1370	0.039	16x32	1780	0.030			
1200	16x32	1630	0.025						
1500	16x36	1800	0.025						