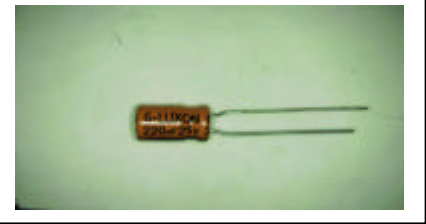


LX Series

Features
 Lifetime: 105 , 1000hrs
 Wide temperature range
 for LL
 Low leakage current

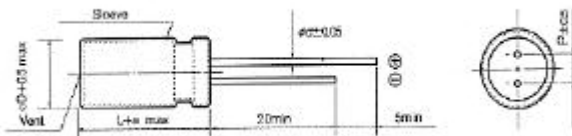
Recommended Applications
 AV(TV, Video, Audio)
 OA/HA/Communication
 Hi- Fi Pre-Amp
 Timer/Oscillation circuit



Specifications

Items	Characteristics									
Capacitance Tolerance	± 20% (M) (120Hz, 20)									
Rated Voltage Range (WV)	6.3~100 VDC									
Operating Temperature Range	-40 ~ +105									
Surge Voltage (V) (20)	WV	6.3	10	16	25	35	50	63	80	100
	SV	8	13	20	32	44	63	79	100	125
Leakage Current (Max) (20)	I = 0.002CV or 0.4 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	80	100
	tan	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.08	0.07
When rated 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	80	100
	Z (120Hz)	6.3	10	16	25	35	50	63	80	100
	Z(-25) / Z(20)	4	3	2	2	2	2	2	1.5	1.5
Z(-40) / Z(20)										
Load Life	After applying rated voltage for 1000 hours at 105 , the capacitor shall meet the following requirement.									
	Capacitance Change	Within ± 20% of the initial value								
	Dissipation Factor	Not more than 200% of the specified value								
Shelf Life	After placed at 105 without voltage applied for 500 hours, the capacitor shall meet the same requirement as load life.									
	Refer to JIS C 5101									
	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

Freq. (Hz)	50	120	1K	10K
WV (VDC)	50	120	1K	10K
6.3~10	0.80	1.00	1.10	1.20
16~25	0.80	1.00	1.20	1.30
35~50	0.80	1.00	1.50	1.70
63~100	0.80	1.00	1.60	1.90

Temperature coefficient

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

Case Size / Max Ripple Current

CASE SIZE (DxL(mm)) / MAX PERMISSIBLE RIPPLE CURRENT (RC(mArms) / 120Hz,105)

wv SPEC μF	6.3		10		16		25		35		50		63	
	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC	DxL	RC
0.1											5x11	1		
0.22											5x11	2		
0.33											5x11	3		
0.47											5x11	5		
1											5x11	10		
2.2											5x11	20		
3.3											5x11	30		
4.7							5x11	30	5x11	35	5x11	35	5x11	35
10					5x11	40	5x11	40	5x11	45	5x11	55	5x11	50
22			5x11	50	5x11	55	5x11	60	5x11	65	5x11	75	6.3x11	80
33	5x11	55	5x11	60	5x11	70	5x11	75	5x11	80	6.3x11	100	6.3x11	100
47	5x11	65	5x11	75	5x11	85	5x11	90	6.3x11	110	6.3x11	120	8x11	140
100	5x11	95	5x11	110	6.3x11	140	6.3x11	140	8x11	180	8x11	200	10x12.5	230
220	6.3x11	165	6.3x11	180	8x11	230	8x11	250	10x12.5	320	10x17	400	10x20	430
330	6.3x11	195	8x11	250	8x11	280	10x12.5	360	10x17	450	10x20	520	13x20	610
470	8x11	270	8x11	300	10x12.5	400	10x17	490	10x20	570	13x20	730	13x25	800
1000	10x12.5	465	10x17	600	10x17	660	13x20	880	13x25	1060	16x26	1330	16x32	1460
2200	13x20	925	13x20	1000	13x25	1210	16x26	1550	16x32	1700	18x36	2100		
3300	13x20	1100	13x25	1300	16x26	1610	16x32	1860	18x36	2200				
4700	16x26	1600	16x26	1700	16x32	2020	18x36	2380	18x40	2610				
6800	16x26	1810	16x32	2100	18x36	2520	18x40	2770						
10000	16x32	2210	18x36	2630	18x40	2910								
15000	18x36	2760												

wv SPEC μF	80		100	
	DxL	RC	DxL	RC
0.47			5x11	5
1			5x11	10
2.2			5x11	20
3.3			5x11	30
4.7			5x11	40
10	6.3x11	60	6.3x11	65
22	8x11	110	8x11	115
33	8x11	130	10x12.5	160
47	10x12.5	180	10x17	230
100	10x17	310	13x20	410
220	13x20	560	16x26	750
330	13x25	750	16x26	920
470	16x26	1020	16x32	1200
1000	18x36	1830		