



LL Small size, Low leakage current

☆ After placed no- load condition under high temperature, or long storage period under normal temperature, the series can still keep good low leakage current.

☆ LX series is fit for those electronic products which require high temperature .clip, Suitable for Hi-Fi pre-amplifiers and TV oscillation loop circuits.

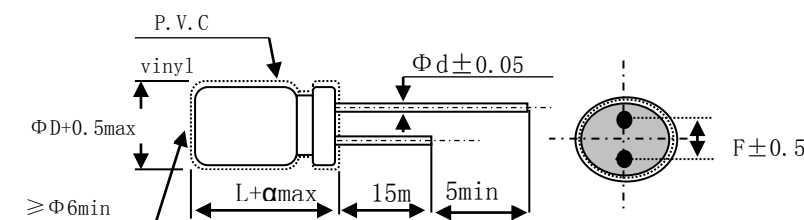
■ Specifications

Operating temperature range	-40+105°C							
Rated voltage range	6.3~63V DC							
Nominal capacitance range	0.1~3300μF							
Capacitance tolerance	±20% (25°C, 120Hz)							
Leakage current	$I \leq 0.002C_R U_R (\mu A)$ or 0.4μA, Whichever is greater (2minutes)							
tg δ	$U_R (V)$	6.3	10	16	25	35	50	63
	tg δ	0.26	0.22	0.2	0.16	0.14	0.12	0.1
Dissipation factor (25°C, 120Hz)	0.02 is added to every 1000μF increase over 1000μF							
Temperature characteristics	$U_R (V)$	6.3	10	16	25	35	50	63
	Z-40°C / Z+20°C	7	5	5	4	4	4	4
(120HZ)	1 is added to every 1000μF increase over 1000μF							
Load life	After appying rated voltage with specified ripple current for 1000hours at +105°C and then resumed 16hours;							
	Capacitance change : Within ±20% of the initial measured value							
	Leakage current: Not more than the initial specified value							
	Dissipation factor: Not more than 150% of the iniaial specified value							
Shelf life	After storage for 1000hours at +85°C then resumed 16hours;							
	Capacitance change : With ±20% of the initial measured value							
	Leakage current: Not more than 200% of the initial specified value							
	Dissipation factor : Not more than 120% of the initial specified value							

■ Case size table

Unit: (mm)

ΦD	5	6	8	10	12	13	16	18
F	2.0	2.5	3.5	5.0		7.5		
Φd	0.5		0.6			0.8		
α	1.0		1.5			2.0		





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■ Nominal capacitance, rated voltage, rated ripple current and case size table

U _R (V)		6.3 (0J)		10 (1A)		16 (1C)		25 (1E)	
		D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)
C _R (μF)	ltem								
	code								
4.7	4R7							5×11	24
10	100					5×11	32	5×11	35
22	220					5×11	52	5×11	58
33	330	5×11	51	5×11	60	5×11	64	5×12	80
47	470	5×11	67	5×11	70	5×12	85	6×11	95
100	101	5×11	110	6×11	110	8×11	140	8×11	180
220	221	6×12	180	8×11	220	8×14	270	10×15	330
330	331	8×11	250	8×14	300	10×15	350	10×20	410
470	471	8×12	330	10×15	400	10×15	480	12×20	560
1000	102	10×15	550	10×20	720	13×20	750	13×25	800
2200	222	13×20	900	13×25	1200	16×25	1300	16×25	1400
3300	332	13×25	1200						

U _R (V)		35 (1V)		50 (1H)		63 (1J)	
		D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)	D×L (mm)	Ripple (mA)
C _R (μF)	ltem						
	code						
0.1	0R1			5×11	4		
0.22	R22			5×11	6		
0.33	R33			5×11	7		
0.47	R47			5×11	8		
1	010			5×11	12	5×11	9
2.2	2R2			5×11	18	5×11	16
3.3	3R3			5×11	22	6×11	21
4.7	4R7	5×11	25	5×11	29	8×11	30
10	100	5×11	41	6×11	50	8×12	52
22	220	5×12	70	8×11	80	10×15	82
33	330	6×12	85	8×12	110	10×20	113
47	470	8×11	110	8×14	140	12×20	149
100	101	8×12	200	10×20	220	16×25	245
220	221	10×15	340	13×25	410	16×35	480
330	331	10×20	450	16×25	560		
470	471	13×20	560	16×30	730		
1000	102	16×25	950				
2200	222	18×35	2000				