

# LT Series

- Downsize and long life series
- Load life 5,000 hours at 105°C
- RoHS Compliant

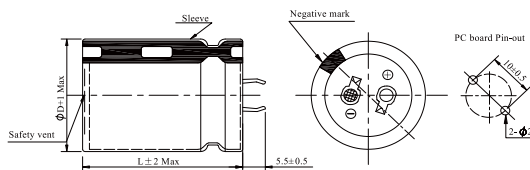


## ◆ SPECIFICATIONS

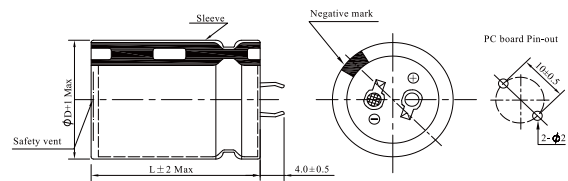
Item	Performance Characteristics									
Category Temperature Range	-25 ~ +105°C									
Working Voltage Range	160 ~ 450Vdc									
Capacitance Range	68 ~ 2,700µF									
Capacitance Tolerance	±20% (at 20°C and 120Hz)									
Dissipation Factor (tanδ) (at 20°C, 120Hz)	Rated Voltage (V)	160	180	220	250	315	350	400	420	450
	tanδ(Max)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.20
Leakage Current	$I \leq 3\sqrt{CV}$ I: Leakage current (µA) C: Rated capacitance (µF) V: Rated voltage (V) Impress the rated voltage for 5 minutes									
Low Temperature Characteristics Impedance Ratio(MAX)	Rated Voltage (V)	160~250			315~450					
	Z(-25°C)/Z(+20°C)	4			8			(at 120Hz)		
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5,000 hours at 105°C.									
	Capacitance change	≒ ±20% of the initial value								
	Dissipation factor(tanδ)	≒ 200% of the specified value								
	Leakage current	≒ specified value								
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 20°C after the rated voltage applied for 1,000 hours at 105°C without voltage applied.									
	Capacitance change	≒ ±20% of the initial value								
	Dissipation factor(tanδ)	≒ 200% of the specified value								
	Leakage current	≒ 200% of the specified value								

## ◆ DIMENSIONS (mm)

Terminal Code : 00 : Standard

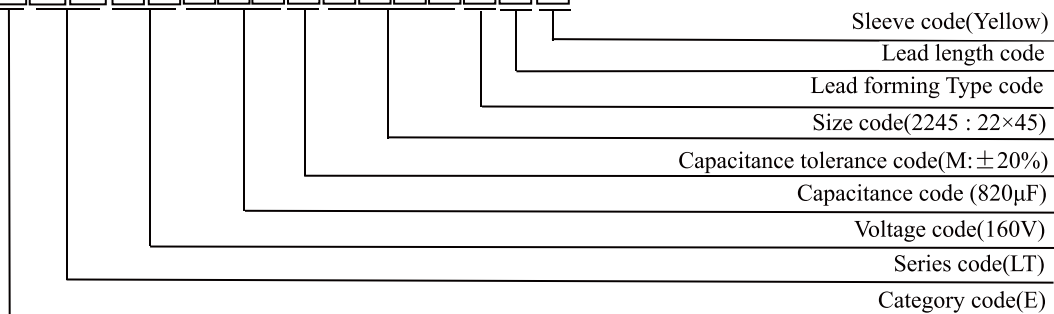


Terminal Code :0D



## ◆ PART NUMBER SYSTEM( Example : 160V 820µF )

E L T 2 C 8 2 1 M 2 2 4 5 0 0 Y



# LT Series

◆ Case size & Permissible rated ripple current: (mA rms) at 105°C / 120Hz.

Vdc ΦD μF	160								Vdc ΦD μF	180							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
390	22×25	1320							270								
470	22×30	1460	25×25	1480					330	22×25	1210						
560	22×35	1660	25×30	1680					470	22×30	1520	25×25	1520				
680	22×40	1870	25×35	1880	30×25	1960			560	22×35	1700	25×30	1780				
820	22×45	2090	25×40	2100	30×30	2100			680	22×40	1910	25×35	1880	30×25	1990		
1000	22×50	2410	25×45	2380	30×35	2400	35×25	2550	820	22×45	1990	25×40	2160	30×30	2170	35×25	2310
1200			25×50	2710	30×40	2770	35×30	2860	1000	22×50	2250	25×45	2470	30×35	2460	35×30	2520
1500					30×45	3170	35×35	3220	1200			25×50	2750	30×40	2770	35×30	2860
1800					30×50	3530	35×40	3660	1500					30×45	3220	35×35	3220
2200							35×45	4140	1800					30×50	3600	35×45	3740
2700							35×50	4680	2200							35×50	4220

Vdc ΦD μF	200								Vdc ΦD μF	220							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
270	22×25	1100							270	22×25	1100						
330	22×30	1220	25×25	1220					330	22×30	1190						
390	22×30	1380	25×25	1390					390	22×35	1390	25×30	1390				
470	22×35	1550	25×30	1580	30×25	1550			470	22×40	1550	25×30	1560	30×25	1630		
560	22×40	1730	25×30	1710	30×25	1780			560	22×45	1730	25×35	1750	30×30	1790		
680	22×45	1810	25×35	1870	30×30	1980	35×25	2100	680	22×50	1990	25×40	1960	30×35	2020	35×25	2100
820	22×50	2180	25×40	2090	30×35	2220	35×30	2360	820			25×45	2240	30×40	2290	35×30	2360
1000			25×50	2390	30×40	2530	35×30	2610	1000			25×50	2510	30×45	2590	35×35	2630
1200					30×50	2880	35×35	2880	1200					30×50	2880	35×40	2980
1500							35×40	2960	1500							35×45	3410
1800							35×50	3120	1800							35×50	3820

Vdc ΦD μF	250								Vdc ΦD μF	315							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
220	22×25	1010							100	22×25	640						
270	22×30	1200							150	22×25	800						
330	22×30	1320	25×25	1320					180	22×30	920	25×25	940				
390	22×35	1440	25×30	1430	30×25	1510			220	22×35	1040	25×30	1100	30×25	1170		
470	22×40	1620	25×35	1620	30×30	1610			270	22×40	1180	25×30	1190	30×25	1200		
560	22×50	1840	25×40	1780	30×30	1830	35×25	1910	330	22×45	1330	25×35	1370	30×30	1400	35×25	1490
680			25×45	2040	30×35	2060	35×30	2150	390	22×50	1480	25×40	1520	30×35	1520	35×25	1550
820			25×50	2280	30×45	2390	35×35	2380	470			25×45	1700	30×35	1710	35×30	1820
1000					30×50	2680	35×40	2720	560			25×50	1880	30×45	1970	35×35	2000
1200							35×45	2820	680					30×50	2210	35×40	2290
1500							35×50	3120	820							35×45	2570
1800									1000							35×50	2890

# LT Series

◆ Case size & Permissible rated ripple current: (mA rms) at 105°C / 120Hz.

Vdc ΦD μF	350								Vdc ΦD μF	400							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
100									68	22×25	480						
120	22×25	720							82	22×25	600						
150	22×30	840							100	22×25	660						
180	22×35	940	25×25	940					120	22×30	750	25×25	750				
220	22×40	1060	25×30	1070	30×25	1130			150	22×35	860	25×30	860				
270	22×45	1200	25×35	1240	30×30	1270	35×25	1310	180	22×40	960	25×30	970	30×25	1020		
330	22×50	1360	25×40	1390	30×35	1430	35×30	1450	220	22×45	1090	25×35	1120	30×30	1150		
390			25×45	1550	30×40	1600	35×30	1660	270	22×50	1230	25×45	1290	30×30	1270		
470			25×50	1720	30×45	1810	35×35	1830	330			25×50	1440	30×35	1430	35×30	1520
560					30×50	2000	35×40	2070	390					30×40	1600	35×35	1670
680							35×45	2340	470					30×45	1840	35×40	1900
820							35×50	2620	560					30×50	2100	35×45	2120

Vdc ΦD μF	420								Vdc ΦD μF	450							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
82									68	22×25	450						
100	22×25	660							82	22×25	590						
120	22×30	750	25×25	770					100	22×30	690	25×25	700				
150	22×35	860	25×30	900					120	22×35	770	25×30	770				
180	22×45	980	25×35	1010	30×25	1020			150	22×45	900	25×35	920	30×25	930		
220	22×50	1110	25×40	1140	30×30	1140	35×25	1220	180	22×50	1010	25×40	1030	30×30	1030	35×25	1100
270			25×45	1290	30×35	1300	35×30	1380	220			25×45	1160	30×35	1170	35×30	1240
330			25×50	1440	30×40	1480	35×35	1540	270			25×50	1310	30×40	1330	35×35	1390
390					30×45	1640	35×40	1730	330					30×45	1510	35×40	1480
470					30×50	1840	35×45	1940	390					30×50	1670	35×45	1770
560							35×50	2170	470							35×50	1980
680							35×50	2320	560							35×50	1920

## ◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)			
	120	1K	10K	100K
160 ~ 250	1.00	1.32	1.45	1.50
315 ~ 450	1.00	1.30	1.41	1.43