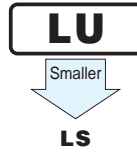


**LU** Snap-in Terminal Type, Standard series



Approved by Reliability Center for Electronic Component, Japan-Certification No. RCJ-03-25D

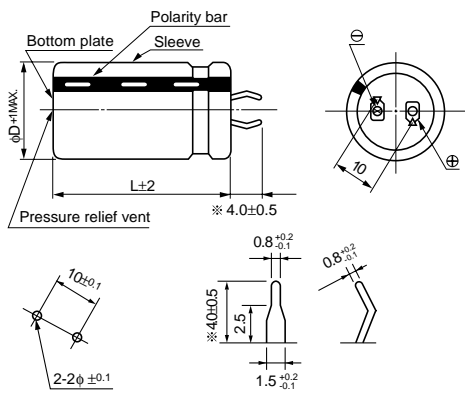
- Withstanding 3000 hours application of ripple current at 85°C.
- Higher production efficiency due to 4.0mm long terminal.



## Specifications

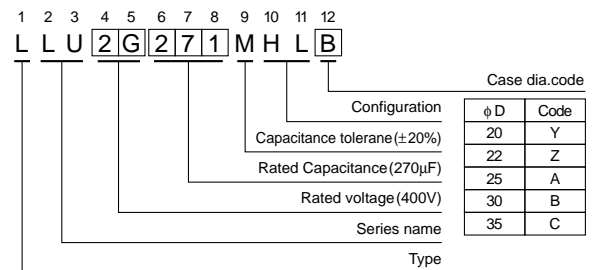
Item	Performance Characteristics						
Category Temperature Range	-40 ~ +85°C (160 ~ 250V), -25 ~ +85°C (400 ~ 450V)						
Rated Voltage Range	160 ~ 450V						
Rated Capacitance Range	56 ~ 2700μF						
Capacitance Tolerance	±20% at 120Hz, 20°C						
Leakage Current	I ≤ 3√CV (μA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF) V : Voltage(V)]						
tan δ	Measurement frequency : 120Hz, Temperature : 20°C						
	Rated voltage (V)	160	180	200	250	400	450
	tan δ (MAX.)	0.15	0.15	0.15	0.15	0.15	0.20
Stability at Low Temperature	Measurement frequency : 120Hz						
	Rated voltage(V)		160 ~ 250		400 ~ 450		
	Impedance ratio Z/-25°C/Z+20°C	3		8			
	ZT/Z20 (MAX.)	12		—			
Endurance	After an application of DC voltage (in the range of rated DC voltage even after over-lapping the specified ripple current) for 3000 hours at 85°C, capacitors meet the characteristic requirements listed at right.						
	Capacitance change	Within ±20% of initial value					
	tan δ	200% or less of initial specified value					
	Leakage current	Initial specified value or less					
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours, they meet the requirements listed at right.						
	Capacitance change	Within ±15% of initial value					
	tan δ	150% or less of initial specified value					
	Leakage current	Initial specified value or less					
Marking	Printed with white color letter on black sleeve.						

## Drawing



(PC board hole dimensions) (Terminal dimensions)

## Type numbering system ( Example : 400V 270μF)



※ The other terminal is also available upon request.  
Please refer to page 195 for schematic of dimensions.

## Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	300	1k	10k	50k~
160~ 250V	0.81	0.85	1.00	1.17	1.32	1.45	1.50
400~ 450V	0.77	0.82	1.00	1.16	1.30	1.41	1.43

Minimum order quantity : 50pcs.

■ Dimension table in next page.



## ■ Dimensions

160V (2C)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
330	20 × 25	1220	0.15	0.68	LLU2C331MHLY
390	20 × 30	1550	0.15	0.74	LLU2C391MHLY
	22 × 25	1550	0.15	0.74	LLU2C391MHLZ
470	20 × 35	1810	0.15	0.82	LLU2C471MHLY
	22 × 30	1770	0.15	0.82	LLU2C471MHLZ
	25 × 25	1770	0.15	0.82	LLU2C471MHLA
560	20 × 40	2040	0.15	0.89	LLU2C561MHLY
	22 × 30	2110	0.15	0.89	LLU2C561MHLZ
	25 × 25	2110	0.15	0.89	LLU2C561MHLA
680	22 × 35	2250	0.15	0.98	LLU2C681MHLZ
	25 × 30	2250	0.15	0.98	LLU2C681MHLA
	30 × 25	2220	0.15	0.98	LLU2C681MHLB
820	22 × 40	2500	0.15	1.08	LLU2C821MHLZ
	25 × 35	2750	0.15	1.08	LLU2C821MHLA
	30 × 25	2500	0.15	1.08	LLU2C821MHLB
1000	22 × 45	2750	0.15	1.20	LLU2C102MHLZ
	25 × 40	2860	0.15	1.20	LLU2C102MHLA
	30 × 30	2900	0.15	1.20	LLU2C102MHLB
	35 × 25	2900	0.15	1.20	LLU2C102MHLA
1200	25 × 45	3270	0.15	1.31	LLU2C122MHLA
	30 × 35	3300	0.15	1.31	LLU2C122MHLB
	35 × 25	3100	0.15	1.31	LLU2C122MHLA
1500	25 × 50	3600	0.15	1.46	LLU2C152MHLA
	30 × 40	3770	0.15	1.46	LLU2C152MHLB
	35 × 30	3600	0.15	1.46	LLU2C152MHLA
1800	30 × 45	4200	0.15	1.60	LLU2C182MHLB
	35 × 35	4100	0.15	1.60	LLU2C182MHLA
2200	30 × 50	4700	0.15	1.77	LLU2C222MHLB
	35 × 40	4700	0.15	1.77	LLU2C222MHLA
2700	35 × 45	4780	0.15	1.97	LLU2C272MHLA

180V (2Z)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
270	20 × 25	1230	0.15	0.66	LLU2Z271MHLY
330	20 × 30	1770	0.15	0.73	LLU2Z331MHLY
	22 × 25	1420	0.15	0.73	LLU2Z331MHLZ
390	20 × 30	1840	0.15	0.79	LLU2Z391MHLY
	22 × 25	1840	0.15	0.79	LLU2Z391MHLZ
470	20 × 35	1910	0.15	0.87	LLU2Z471MHLY
	22 × 30	1910	0.15	0.87	LLU2Z471MHLZ
	25 × 25	2080	0.15	0.87	LLU2Z471MHLA
560	20 × 40	2150	0.15	0.95	LLU2Z561MHLY
	22 × 35	2250	0.15	0.95	LLU2Z561MHLZ
	25 × 30	2250	0.15	0.95	LLU2Z561MHLA
680	22 × 40	2500	0.15	1.04	LLU2Z681MHLZ
	25 × 30	2500	0.15	1.04	LLU2Z681MHLA
	30 × 25	2460	0.15	1.04	LLU2Z681MHLB
820	22 × 45	2750	0.15	1.15	LLU2Z821MHLZ
	25 × 35	2750	0.15	1.15	LLU2Z821MHLA
	30 × 30	2750	0.15	1.15	LLU2Z821MHLB
	35 × 25	2600	0.15	1.15	LLU2Z821MHLA
1000	22 × 50	2800	0.15	1.27	LLU2Z102MHLZ
	25 × 40	2860	0.15	1.27	LLU2Z102MHLA
	30 × 35	3000	0.15	1.27	LLU2Z102MHLB
	35 × 25	2800	0.15	1.27	LLU2Z102MHLA
1200	25 × 50	3460	0.15	1.39	LLU2Z122MHLA
	30 × 35	3380	0.15	1.39	LLU2Z122MHLB
	35 × 30	3320	0.15	1.39	LLU2Z122MHLA
1500	30 × 45	3900	0.15	1.55	LLU2Z152MHLB
	35 × 35	3830	0.15	1.55	LLU2Z152MHLA
1800	30 × 50	4330	0.15	1.70	LLU2Z182MHLB
	35 × 40	4320	0.15	1.70	LLU2Z182MHLA
2200	35 × 45	4800	0.15	1.88	LLU2Z222MHLA
2700	35 × 50	5050	0.15	2.09	LLU2Z272MHLA

200V (2D)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
220	20 × 25	1130	0.15	0.62	LLU2D221MHLY
270	20 × 30	1320	0.15	0.69	LLU2D271MHLY
	22 × 25	1300	0.15	0.69	LLU2D271MHLZ
330	20 × 30	1490	0.15	0.77	LLU2D331MHLY
	22 × 25	1440	0.15	0.77	LLU2D331MHLZ
390	20 × 35	1660	0.15	0.83	LLU2D391MHLY
	22 × 30	1650	0.15	0.83	LLU2D391MHLZ
	25 × 25	1630	0.15	0.83	LLU2D391MHLA
470	20 × 40	1930	0.15	0.91	LLU2D471MHLY
	22 × 35	1900	0.15	0.91	LLU2D471MHLZ
	25 × 30	1860	0.15	0.91	LLU2D471MHLA
560	22 × 35	1960	0.15	1.00	LLU2D561MHLZ
	25 × 30	2050	0.15	1.00	LLU2D561MHLA
	30 × 25	2100	0.15	1.00	LLU2D561MHLB
680	22 × 40	2430	0.15	1.10	LLU2D681MHLZ
	25 × 35	2680	0.15	1.10	LLU2D681MHLA
	30 × 30	2680	0.15	1.10	LLU2D681MHLB
820	22 × 50	2800	0.15	1.21	LLU2D821MHLZ
	25 × 40	2800	0.15	1.21	LLU2D821MHLA
	30 × 30	2800	0.15	1.21	LLU2D821MHLB
	35 × 25	2930	0.15	1.21	LLU2D821MHLA
1000	25 × 45	3120	0.15	1.34	LLU2D102MHLA
	30 × 35	3000	0.15	1.34	LLU2D102MHLB
	35 × 30	3250	0.15	1.34	LLU2D102MHLA
1200	25 × 50	3440	0.15	1.46	LLU2D122MHLA
	30 × 40	3440	0.15	1.46	LLU2D122MHLB
	35 × 30	3400	0.15	1.46	LLU2D122MHLA
1500	30 × 45	3500	0.15	1.64	LLU2D152MHLB
	35 × 35	3500	0.15	1.64	LLU2D152MHLA
1800	35 × 40	3870	0.15	1.80	LLU2D182MHLA
2200	35 × 50	5000	0.15	1.98	LLU2D222MHLA

250V (2E)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
180	20 × 25	1140	0.15	0.63	LLU2E181MHLY
220	20 × 30	1200	0.15	0.70	LLU2E221MHLY
	22 × 25	1200	0.15	0.70	LLU2E221MHLZ
270	20 × 30	1350	0.15	0.77	LLU2E271MHLY
	22 × 30	1430	0.15	0.77	LLU2E271MHLZ
	25 × 25	1400	0.15	0.77	LLU2E271MHLA
330	20 × 35	1600	0.15	0.86	LLU2E331MHLY
	22 × 30	1580	0.15	0.86	LLU2E331MHLZ
	25 × 25	1550	0.15	0.86	LLU2E331MHLA
390	20 × 40	1860	0.15	0.93	LLU2E391MHLY
	22 × 35	1810	0.15	0.93	LLU2E391MHLZ
	25 × 30	1870	0.15	0.93	LLU2E391MHLA
470	30 × 25	1800	0.15	0.93	LLU2E391MHLB
	22 × 40	2080	0.15	1.02	LLU2E471MHLZ
	25 × 35	2050	0.15	1.02	LLU2E471MHLA
560	30 × 25	2040	0.15	1.02	LLU2E471MHLB
	22 × 45	2360	0.15	1.12	LLU2E561MHLZ
	25 × 35	2240	0.15	1.12	LLU2E561MHLA
680	30 × 30	2240	0.15	1.12	LLU2E561MHLB
	35 × 25	2300	0.15	1.12	LLU2E561MHLA
	25 × 40	2540	0.15	1.23	LLU2E681MHLA
	30 × 35	2600	0.15	1.23	LLU2E681MHLB
820	35 × 25	2620	0.15	1.23	LLU2E681MHLA
	25 × 50	2870	0.15	1.35	LLU2E821MHLA
	30 × 35	2850	0.15	1.35	LLU2E821MHLB
1000	35 × 30	2820	0.15	1.35	LLU2E821MHLA
	30 × 45	3390	0.15	1.50	LLU2E102MHLB
	35 × 35	3340	0.15	1.50	LLU2E102MHLA
1200	30 × 50	3800	0.15	1.64	LLU2E122MHLB
	35 × 40	3770	0.15	1.64	LLU2E122MHLA
1500	35 × 45	4190	0.15	1.83	LLU2E152MHLA
1800	35 × 50	4310	0.15	2.01	LLU2E182MHLA

Rated Ripple (mA rms) at 85°C 120Hz



## ■ Dimensions

400V (2G)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
68	20 × 25	710	0.15	0.49	LLU2G680MHLY
82	20 × 30	780	0.15	0.54	LLU2G820MHLY
	22 × 25	800	0.15	0.54	LLU2G820MHLZ
100	20 × 30	900	0.15	0.60	LLU2G101MHLY
	22 × 25	850	0.15	0.60	LLU2G101MHLZ
120	20 × 35	1020	0.15	0.65	LLU2G121MHLY
	22 × 30	1040	0.15	0.65	LLU2G121MHLZ
	25 × 25	1080	0.15	0.65	LLU2G121MHLA
150	20 × 40	1170	0.15	0.73	LLU2G151MHLY
	22 × 35	1200	0.15	0.73	LLU2G151MHLZ
	25 × 30	1210	0.15	0.73	LLU2G151MHLA
180	22 × 40	1380	0.15	0.80	LLU2G181MHLZ
	25 × 30	1250	0.15	0.80	LLU2G181MHLA
	30 × 25	1450	0.15	0.80	LLU2G181MHLB
220	22 × 45	1550	0.15	0.88	LLU2G221MHLZ
	25 × 35	1560	0.15	0.88	LLU2G221MHLA
	30 × 30	1610	0.15	0.88	LLU2G221MHLB
	35 × 25	1500	0.15	0.88	LLU2G221MHLC
270	25 × 40	1700	0.15	0.98	LLU2G271MHLA
	30 × 35	1730	0.15	0.98	LLU2G271MHLB
	35 × 25	1720	0.15	0.98	LLU2G271MHLC
330	25 × 50	1920	0.15	1.08	LLU2G331MHLA
	30 × 40	1950	0.15	1.08	LLU2G331MHLB
	35 × 30	1950	0.15	1.08	LLU2G331MHLC
390	30 × 40	2150	0.15	1.18	LLU2G391MHLB
	35 × 35	2170	0.15	1.18	LLU2G391MHLC
	30 × 45	2350	0.15	1.30	LLU2G471MHLB
470	35 × 35	2330	0.15	1.30	LLU2G471MHLC
	35 × 40	2420	0.15	1.41	LLU2G561MHLC
680	35 × 50	3080	0.15	1.56	LLU2G681MHLC

450V (2W)					
Cap. (μF)	Size φD × L (mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
56	20 × 25	590	0.20	0.47	LLU2W560MHLY
68	20 × 30	710	0.20	0.52	LLU2W680MHLY
	22 × 25	680	0.20	0.52	LLU2W680MHLZ
82	20 × 35	760	0.20	0.57	LLU2W820MHLY
	22 × 30	820	0.20	0.57	LLU2W820MHLZ
	25 × 25	720	0.20	0.57	LLU2W820MHLA
100	20 × 35	850	0.20	0.63	LLU2W101MHLY
	22 × 30	850	0.20	0.63	LLU2W101MHLZ
	25 × 25	920	0.20	0.63	LLU2W101MHLA
120	20 × 40	970	0.20	0.69	LLU2W121MHLY
	22 × 35	1020	0.20	0.69	LLU2W121MHLZ
	25 × 30	1040	0.20	0.69	LLU2W121MHLA
150	30 × 25	1070	0.20	0.69	LLU2W121MHLB
	22 × 40	1150	0.20	0.77	LLU2W151MHLZ
	25 × 35	1210	0.20	0.77	LLU2W151MHLA
180	30 × 25	1130	0.20	0.77	LLU2W151MHLB
	22 × 45	1290	0.20	0.85	LLU2W181MHLZ
	25 × 40	1380	0.20	0.85	LLU2W181MHLA
220	30 × 30	1380	0.20	0.85	LLU2W181MHLB
	35 × 25	1300	0.20	0.85	LLU2W181MHLC
	25 × 45	1540	0.20	0.94	LLU2W221MHLA
270	30 × 35	1560	0.20	0.94	LLU2W221MHLB
	35 × 25	1430	0.20	0.94	LLU2W221MHLC
	25 × 50	1700	0.20	1.04	LLU2W271MHLA
330	30 × 40	1800	0.20	1.04	LLU2W271MHLB
	35 × 30	1680	0.20	1.04	LLU2W271MHLC
	30 × 45	2020	0.20	1.15	LLU2W331MHLB
390	35 × 35	2050	0.20	1.15	LLU2W331MHLC
	30 × 50	2240	0.20	1.25	LLU2W391MHLB
470	35 × 40	2270	0.20	1.25	LLU2W391MHLC
	35 × 45	2550	0.20	1.37	LLU2W471MHLC

Rated Ripple (mA rms) at 85°C 120Hz