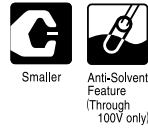
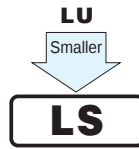


LS series Snap-in Terminal Type, Smaller-Sized



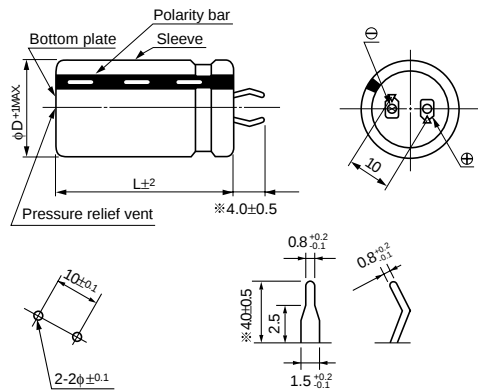
- Withstanding 3000 hours application of ripple current at 85°C.
- One rank smaller case sized than LU series.
- Higher production efficiency due to 4.0mm long terminal.



Specifications

Item	Performance Characteristics														
Category Temperaturer Range	－ 40 ～ + 85℃ (16～250V), － 25 ～ + 85℃ (350 ～ 450V)														
Rated Voltage Range	16 ～ 450V														
Rated Capacitance Range	56 ～ 56000μF														
Capacitance Tolerance	± 20% at 120Hz, 20℃														
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℃														
	Rated voltage (v)	16	25	35	50	63	80	100	160	180	200	250	350	400	450
	tan δ (MAX.)	0.50	0.40	0.35	0.30	0.25	0.20	0.20	0.15	0.15	0.15	0.15	0.15	0.15	0.20
Stability at Low Temperature	Measurement frequency : 120Hz														
	Rated voltage (v)		16 ～ 100			160 ～ 250			350 ～ 450						
	Impedance ratio ZT/Z20(MAX.)	Z—25℃/Z+20℃		4			3			8					
Z—40℃/Z+20℃		20			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℃, 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℃ 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.														

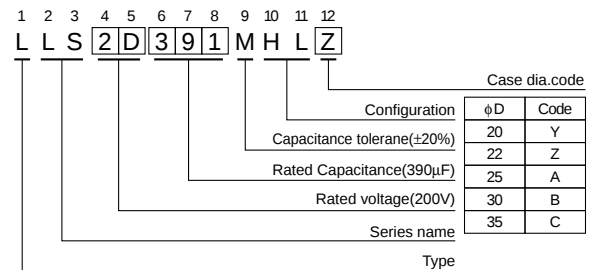
Drawing



(PC board hole dimensions)

(Terminal dimensions)

Type numbering system (Example : 200V 390μF)



* 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	1 k	10k	50k~
16~ 100V	0.88	0.90	1.00	1.07	1.15	1.15	1.15
160~ 250V	0.81	0.85	1.00	1.17	1.32	1.45	1.50
350~ 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

16V (1C)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
8200	22 $\times$ 25	2560	0.50	1.08	LLS1C822MHLZ
10000	22 $\times$ 30	2890	0.50	1.20	LLS1C103MHLZ
12000	22 $\times$ 30	3130	0.50	1.31	LLS1C123MHLZ
	25 $\times$ 25	3010	0.50	1.31	LLS1C123MHLA
15000	22 $\times$ 35	3690	0.50	1.46	LLS1C153MHLZ
	25 $\times$ 30	3640	0.50	1.46	LLS1C153MHLA
	30 $\times$ 25	3730	0.50	1.46	LLS1C153MHLB
18000	22 $\times$ 40	3980	0.50	1.60	LLS1C183MHLZ
	25 $\times$ 35	3980	0.50	1.60	LLS1C183MHLA
	30 $\times$ 30	3880	0.50	1.60	LLS1C183MHLB
22000	22 $\times$ 50	4520	0.50	1.77	LLS1C223MHLZ
	25 $\times$ 40	4440	0.50	1.77	LLS1C223MHLA
	30 $\times$ 30	4380	0.50	1.77	LLS1C223MHLB
27000	25 $\times$ 45	4980	0.50	1.97	LLS1C273MHLA
	30 $\times$ 35	4950	0.50	1.97	LLS1C273MHLB
	35 $\times$ 30	4820	0.50	1.97	LLS1C273MHLA
33000	25 $\times$ 50	5490	0.50	2.17	LLS1C333MHLA
	30 $\times$ 40	5600	0.50	2.17	LLS1C333MHLB
	35 $\times$ 30	5460	0.50	2.17	LLS1C333MHLA
39000	30 $\times$ 45	6210	0.50	2.36	LLS1C393MHLB
	35 $\times$ 35	6120	0.50	2.36	LLS1C393MHLA
47000	30 $\times$ 50	6930	0.50	2.60	LLS1C473MHLB
	35 $\times$ 40	6890	0.50	2.60	LLS1C473MHLA
56000	35 $\times$ 45	7690	0.50	2.83	LLS1C563MHLA

25V (1E)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
5600	22 $\times$ 25	2310	0.40	1.12	LLS1E562MHLZ
6800	22 $\times$ 30	2560	0.40	1.23	LLS1E682MHLZ
	25 $\times$ 25	2470	0.40	1.23	LLS1E682MHLA
8200	22 $\times$ 35	2860	0.40	1.35	LLS1E822MHLZ
	25 $\times$ 25	2780	0.40	1.35	LLS1E822MHLA
10000	22 $\times$ 35	3310	0.40	1.50	LLS1E103MHLZ
	25 $\times$ 30	3160	0.40	1.50	LLS1E103MHLA
12000	22 $\times$ 40	3770	0.40	1.64	LLS1E123MHLZ
	25 $\times$ 35	3630	0.40	1.64	LLS1E123MHLA
	30 $\times$ 25	3800	0.40	1.64	LLS1E123MHLB
15000	22 $\times$ 50	4210	0.40	1.83	LLS1E153MHLZ
	25 $\times$ 40	4100	0.40	1.83	LLS1E153MHLA
	30 $\times$ 30	4000	0.40	1.83	LLS1E153MHLB
18000	25 $\times$ 45	4680	0.40	2.01	LLS1E183MHLA
	30 $\times$ 35	4660	0.40	2.01	LLS1E183MHLB
	35 $\times$ 30	4680	0.40	2.01	LLS1E183MHLA
22000	25 $\times$ 50	5190	0.40	2.22	LLS1E223MHLA
	30 $\times$ 40	5330	0.40	2.22	LLS1E223MHLB
	35 $\times$ 35	5260	0.40	2.22	LLS1E223MHLA
27000	30 $\times$ 45	6020	0.40	2.46	LLS1E273MHLB
	35 $\times$ 40	6020	0.40	2.46	LLS1E273MHLA
33000	35 $\times$ 45	6750	0.40	2.72	LLS1E333MHLA
39000	35 $\times$ 50	7560	0.40	2.96	LLS1E393MHLA

35V (1V)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
3900	22 $\times$ 25	2220	0.35	1.11	LLS1V392MHLZ
4700	22 $\times$ 30	2460	0.35	1.21	LLS1V472MHLZ
	25 $\times$ 25	2430	0.35	1.21	LLS1V472MHLA
5600	22 $\times$ 35	2790	0.35	1.32	LLS1V562MHLZ
	25 $\times$ 30	2750	0.35	1.32	LLS1V562MHLA
6800	22 $\times$ 40	2970	0.35	1.46	LLS1V682MHLZ
	25 $\times$ 30	2890	0.35	1.46	LLS1V682MHLA
	30 $\times$ 25	3090	0.35	1.46	LLS1V682MHLB
8200	22 $\times$ 45	3470	0.35	1.60	LLS1V822MHLZ
	25 $\times$ 35	3330	0.35	1.60	LLS1V822MHLA
	30 $\times$ 30	3290	0.35	1.60	LLS1V822MHLB
10000	22 $\times$ 50	3750	0.35	1.77	LLS1V103MHLZ
	25 $\times$ 40	3650	0.35	1.77	LLS1V103MHLA
	30 $\times$ 30	3610	0.35	1.77	LLS1V103MHLB
12000	25 $\times$ 45	4150	0.35	1.94	LLS1V123MHLA
	30 $\times$ 35	4140	0.35	1.94	LLS1V123MHLB
	35 $\times$ 30	4270	0.35	1.94	LLS1V123MHLA
15000	25 $\times$ 50	4800	0.35	2.17	LLS1V153MHLA
	30 $\times$ 40	4800	0.35	2.17	LLS1V153MHLB
	35 $\times$ 35	4950	0.35	2.17	LLS1V153MHLA
18000	30 $\times$ 45	5300	0.35	2.38	LLS1V183MHLB
	35 $\times$ 40	5710	0.35	2.38	LLS1V183MHLA
22000	35 $\times$ 45	6380	0.35	2.63	LLS1V223MHLA
27000	35 $\times$ 50	6900	0.35	2.91	LLS1V273MHLA

50V (1H)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
2200	22 $\times$ 25	1930	0.30	0.99	LLS1H222MHLZ
2700	22 $\times$ 30	2210	0.30	1.10	LLS1H272MHLZ
	22 $\times$ 30	2410	0.30	1.21	LLS1H332MHLZ
3300	22 $\times$ 30	2410	0.30	1.21	LLS1H332MHLZ
	25 $\times$ 25	2380	0.30	1.21	LLS1H332MHLA
3900	22 $\times$ 35	2720	0.30	1.32	LLS1H392MHLZ
	25 $\times$ 30	2680	0.30	1.32	LLS1H392MHLA
4700	22 $\times$ 40	3020	0.30	1.45	LLS1H472MHLZ
	25 $\times$ 30	3070	0.30	1.45	LLS1H472MHLA
	30 $\times$ 25	3010	0.30	1.45	LLS1H472MHLB
5600	22 $\times$ 45	3430	0.30	1.58	LLS1H562MHLZ
	25 $\times$ 35	3470	0.30	1.58	LLS1H562MHLA
	30 $\times$ 30	3430	0.30	1.58	LLS1H562MHLB
6800	22 $\times$ 50	3940	0.30	1.74	LLS1H682MHLZ
	25 $\times$ 40	3870	0.30	1.74	LLS1H682MHLA
	30 $\times$ 35	3930	0.30	1.74	LLS1H682MHLB
8200	25 $\times$ 45	4440	0.30	1.92	LLS1H822MHLA
	30 $\times$ 35	4470	0.30	1.92	LLS1H822MHLB
	35 $\times$ 30	4410	0.30	1.92	LLS1H822MHLA
10000	30 $\times$ 40	5080	0.30	2.12	LLS1H103MHLB
	35 $\times$ 35	4920	0.30	2.12	LLS1H103MHLA
12000	30 $\times$ 50	5720	0.30	2.32	LLS1H123MHLB
	35 $\times$ 40	5690	0.30	2.32	LLS1H123MHLA
15000	35 $\times$ 45	6560	0.30	2.59	LLS1H153MHLA
18000	35 $\times$ 50	7140	0.30	2.84	LLS1H183MHLA

Rated Ripple (mA rms) at 85°C 120Hz

■ Dimensions

63V (1J)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
1800	22 × 25	1900	0.25	1.01	LLS1J182MHLZ
	22 × 30	2350	0.25	1.11	LLS1J222MHLZ
2200	25 × 25	2300	0.25	1.11	LLS1J222MHLA
	22 × 35	2500	0.25	1.23	LLS1J272MHLZ
2700	25 × 30	2520	0.25	1.23	LLS1J272MHLA
	22 × 35	2720	0.25	1.36	LLS1J332MHLZ
3300	25 × 30	2740	0.25	1.36	LLS1J332MHLA
	30 × 25	2840	0.25	1.36	LLS1J332MHLB
	22 × 40	3090	0.25	1.48	LLS1J392MHLZ
3900	25 × 35	3130	0.25	1.48	LLS1J392MHLA
	30 × 30	3090	0.25	1.48	LLS1J392MHLB
	22 × 50	3690	0.25	1.63	LLS1J472MHLZ
4700	25 × 40	3590	0.25	1.63	LLS1J472MHLA
	30 × 30	3540	0.25	1.63	LLS1J472MHLB
	25 × 45	4010	0.25	1.78	LLS1J562MHLA
5600	30 × 35	4000	0.25	1.78	LLS1J562MHLB
	35 × 30	3750	0.25	1.78	LLS1J562MHLC
	25 × 50	4520	0.25	1.96	LLS1J682MHLA
6800	30 × 40	4550	0.25	1.96	LLS1J682MHLB
	35 × 30	4440	0.25	1.96	LLS1J682MHLC
	30 × 45	5120	0.25	2.15	LLS1J822MHLB
8200	35 × 35	5050	0.25	2.15	LLS1J822MHLC
	30 × 50	5780	0.25	2.38	LLS1J103MHLB
10000	35 × 40	5750	0.25	2.38	LLS1J103MHLC
12000	35 × 45	6470	0.25	2.60	LLS1J123MHLC

80V (1K)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
1200	22 × 25	1770	0.20	0.92	LLS1K122MHLZ
1500	22 × 30	2010	0.20	1.03	LLS1K152MHLZ
1800	22 × 30	2110	0.20	1.13	LLS1K182MHLZ
	25 × 25	2260	0.20	1.13	LLS1K182MHLA
2200	22 × 35	2530	0.20	1.25	LLS1K222MHLZ
	25 × 30	2530	0.20	1.25	LLS1K222MHLA
	30 × 25	2560	0.20	1.25	LLS1K222MHLB
2700	22 × 40	2930	0.20	1.39	LLS1K272MHLZ
	25 × 35	2930	0.20	1.39	LLS1K272MHLA
	30 × 30	2910	0.20	1.39	LLS1K272MHLB
3300	22 × 45	3230	0.20	1.54	LLS1K332MHLZ
	25 × 40	3290	0.20	1.54	LLS1K332MHLA
	30 × 30	3250	0.20	1.54	LLS1K332MHLB
3900	22 × 50	3620	0.20	1.67	LLS1K392MHLZ
	25 × 45	3710	0.20	1.67	LLS1K392MHLA
	30 × 35	3700	0.20	1.67	LLS1K392MHLB
4700	25 × 50	4280	0.20	1.83	LLS1K472MHLA
	30 × 40	4230	0.20	1.83	LLS1K472MHLB
	35 × 30	4120	0.20	1.83	LLS1K472MHLC
5600	30 × 45	4700	0.20	2.00	LLS1K562MHLB
	35 × 35	4640	0.20	2.00	LLS1K562MHLC
6800	30 × 50	5270	0.20	2.21	LLS1K682MHLB
	35 × 40	5240	0.20	2.21	LLS1K682MHLC
8200	35 × 45	5890	0.20	2.42	LLS1K882MHLC
10000	35 × 50	6630	0.20	2.68	LLS1K103MHLC

100V (2A)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
820	22 × 25	1860	0.20	0.85	LLS2A821MHLZ
1000	22 × 30	2020	0.20	0.94	LLS2A102MHLZ
1200	22 × 30	2120	0.20	1.03	LLS2A122MHLZ
	25 × 25	2110	0.20	1.03	LLS2A122MHLA
1500	22 × 35	2450	0.20	1.16	LLS2A152MHLZ
	25 × 30	2470	0.20	1.16	LLS2A152MHLA
	30 × 25	2560	0.20	1.16	LLS2A152MHLB
1800	22 × 40	2770	0.20	1.27	LLS2A182MHLZ
	25 × 35	2810	0.20	1.27	LLS2A182MHLA
	30 × 25	2650	0.20	1.27	LLS2A182MHLB
2200	22 × 45	3150	0.20	1.40	LLS2A222MHLZ
	25 × 40	3210	0.20	1.40	LLS2A222MHLA
	30 × 30	3170	0.20	1.40	LLS2A222MHLB
2700	25 × 45	3660	0.20	1.55	LLS2A272MHLA
	30 × 35	3650	0.20	1.55	LLS2A272MHLB
	35 × 30	3770	0.20	1.55	LLS2A272MHLC
3300	25 × 50	4150	0.20	1.72	LLS2A332MHLA
	30 × 40	4180	0.20	1.72	LLS2A332MHLB
	35 × 35	4070	0.20	1.72	LLS2A332MHLC
3900	30 × 45	4670	0.20	1.87	LLS2A392MHLB
	35 × 35	4610	0.20	1.87	LLS2A392MHLC
4700	30 × 50	5260	0.20	2.05	LLS2A472MHLB
	35 × 40	5230	0.20	2.05	LLS2A472MHLC
5600	35 × 45	5880	0.20	2.24	LLS2A562MHLC
6800	35 × 50	6010	0.20	2.47	LLS2A682MHLC

Rated Ripple (mA rms) at 85°C 120Hz

■ Dimensions

160V (2C)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
270	20 $\times$ 25	1280	0.15	0.62	LLS2C271MHLY
330	20 $\times$ 25	1550	0.15	0.68	LLS2C331MHLY
390	20 $\times$ 30	1630	0.15	0.74	LLS2C391MHLY
	22 $\times$ 25	1630	0.15	0.74	LLS2C391MHLZ
470	20 $\times$ 30	1900	0.15	0.82	LLS2C471MHLY
	22 $\times$ 30	1860	0.15	0.82	LLS2C471MHLZ
	25 $\times$ 25	1860	0.15	0.82	LLS2C471MHLA
560	20 $\times$ 35	2140	0.15	0.89	LLS2C561MHLY
	22 $\times$ 30	2150	0.15	0.89	LLS2C561MHLZ
	25 $\times$ 25	2150	0.15	0.89	LLS2C561MHLA
680	20 $\times$ 40	2350	0.15	0.98	LLS2C681MHLY
	22 $\times$ 35	2350	0.15	0.98	LLS2C681MHLZ
	25 $\times$ 30	2330	0.15	0.98	LLS2C681MHLA
	30 $\times$ 25	2330	0.15	0.98	LLS2C681MHLB
820	22 $\times$ 40	2680	0.15	1.08	LLS2C821MHLZ
	25 $\times$ 30	2650	0.15	1.08	LLS2C821MHLA
	30 $\times$ 25	2640	0.15	1.08	LLS2C821MHLB
1000	22 $\times$ 45	3020	0.15	1.20	LLS2C102MHLZ
	25 $\times$ 35	3000	0.15	1.20	LLS2C102MHLA
	30 $\times$ 30	2960	0.15	1.20	LLS2C102MHLB
1200	25 $\times$ 40	3430	0.15	1.31	LLS2C122MHLA
	30 $\times$ 30	3410	0.15	1.31	LLS2C122MHLB
	35 $\times$ 25	3400	0.15	1.31	LLS2C122MHLA
1500	25 $\times$ 50	3960	0.15	1.46	LLS2C152MHLA
	30 $\times$ 35	3960	0.15	1.46	LLS2C152MHLB
	35 $\times$ 30	3940	0.15	1.46	LLS2C152MHLA
1800	30 $\times$ 40	4310	0.15	1.60	LLS2C182MHLB
	35 $\times$ 35	4280	0.15	1.60	LLS2C182MHLA
2200	30 $\times$ 50	4960	0.15	1.77	LLS2C222MHLB
	35 $\times$ 40	4960	0.15	1.77	LLS2C222MHLA
2700	35 $\times$ 45	5570	0.15	1.97	LLS2C272MHLA

180V (2Z)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
270	20 $\times$ 25	1290	0.15	0.66	LLS2Z271MHLY
330	20 $\times$ 30	1770	0.15	0.73	LLS2Z331MHLY
	22 $\times$ 25	1770	0.15	0.73	LLS2Z331MHLZ
390	20 $\times$ 30	1840	0.15	0.79	LLS2Z391MHLY
	22 $\times$ 25	1840	0.15	0.79	LLS2Z391MHLZ
470	20 $\times$ 35	1910	0.15	0.87	LLS2Z471MHLY
	22 $\times$ 30	1910	0.15	0.87	LLS2Z471MHLZ
	25 $\times$ 25	2080	0.15	0.87	LLS2Z471MHLA
560	20 $\times$ 40	2150	0.15	0.95	LLS2Z561MHLY
	22 $\times$ 35	2250	0.15	0.95	LLS2Z561MHLZ
	25 $\times$ 25	2150	0.15	0.95	LLS2Z561MHLA
680	22 $\times$ 35	2480	0.15	1.04	LLS2Z681MHLZ
	25 $\times$ 30	2500	0.15	1.04	LLS2Z681MHLA
	30 $\times$ 25	2460	0.15	1.04	LLS2Z681MHLB
820	22 $\times$ 40	2860	0.15	1.15	LLS2Z821MHLZ
	25 $\times$ 35	2750	0.15	1.15	LLS2Z821MHLA
	30 $\times$ 25	2690	0.15	1.15	LLS2Z821MHLB
1000	22 $\times$ 50	3100	0.15	1.27	LLS2Z102MHLZ
	25 $\times$ 40	3060	0.15	1.27	LLS2Z102MHLA
	30 $\times$ 30	3100	0.15	1.27	LLS2Z102MHLB
1200	25 $\times$ 45	3630	0.15	1.39	LLS2Z122MHLA
	30 $\times$ 35	3550	0.15	1.39	LLS2Z122MHLB
	35 $\times$ 30	3490	0.15	1.39	LLS2Z122MHLA
1500	30 $\times$ 40	4100	0.15	1.55	LLS2Z152MHLB
	35 $\times$ 35	4020	0.15	1.55	LLS2Z152MHLA
1800	30 $\times$ 45	4550	0.15	1.70	LLS2Z182MHLB
	35 $\times$ 35	4540	0.15	1.70	LLS2Z182MHLA
2200	35 $\times$ 40	4830	0.15	1.88	LLS2Z222MHLA
2700	35 $\times$ 50	5300	0.15	2.09	LLS2Z272MHLA

200V (2D)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
220	20 $\times$ 25	1190	0.15	0.62	LLS2D221MHLY
270	20 $\times$ 25	1390	0.15	0.69	LLS2D271MHLY
	22 $\times$ 25	1370	0.15	0.69	LLS2D271MHLZ
330	20 $\times$ 30	1560	0.15	0.77	LLS2D331MHLY
	22 $\times$ 25	1510	0.15	0.77	LLS2D331MHLZ
390	20 $\times$ 35	1740	0.15	0.83	LLS2D391MHLY
	22 $\times$ 30	1730	0.15	0.83	LLS2D391MHLZ
	25 $\times$ 25	1710	0.15	0.83	LLS2D391MHLA
470	20 $\times$ 35	2030	0.15	0.91	LLS2D471MHLY
	22 $\times$ 30	1970	0.15	0.91	LLS2D471MHLZ
	25 $\times$ 25	1950	0.15	0.91	LLS2D471MHLA
560	20 $\times$ 40	2180	0.15	1.00	LLS2D561MHLY
	22 $\times$ 35	2180	0.15	1.00	LLS2D561MHLZ
	25 $\times$ 30	2150	0.15	1.00	LLS2D561MHLA
	30 $\times$ 25	2150	0.15	1.00	LLS2D561MHLB
680	22 $\times$ 40	2480	0.15	1.10	LLS2D681MHLZ
	25 $\times$ 30	2480	0.15	1.10	LLS2D681MHLA
	30 $\times$ 25	2480	0.15	1.10	LLS2D681MHLB
820	22 $\times$ 45	2810	0.15	1.21	LLS2D821MHLZ
	25 $\times$ 35	2790	0.15	1.21	LLS2D821MHLA
	30 $\times$ 30	2800	0.15	1.21	LLS2D821MHLB
1000	22 $\times$ 50	3280	0.15	1.34	LLS2D102MHLZ
	25 $\times$ 40	3280	0.15	1.34	LLS2D102MHLA
	30 $\times$ 35	3150	0.15	1.34	LLS2D102MHLB
1200	30 $\times$ 35	3610	0.15	1.46	LLS2D122MHLB
	35 $\times$ 30	3570	0.15	1.46	LLS2D122MHLA
1500	30 $\times$ 45	4130	0.15	1.64	LLS2D152MHLB
	35 $\times$ 35	4060	0.15	1.64	LLS2D152MHLA
1800	30 $\times$ 50	4600	0.15	1.80	LLS2D182MHLB
	35 $\times$ 40	4590	0.15	1.80	LLS2D182MHLA
2200	35 $\times$ 45	5250	0.15	1.98	LLS2D222MHLA

250V (2E)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
180	20 $\times$ 25	1200	0.15	0.63	LLS2E181MHLY
220	20 $\times$ 25	1260	0.15	0.70	LLS2E221MHLY
	22 $\times$ 25	1240	0.15	0.70	LLS2E221MHLZ
270	20 $\times$ 30	1420	0.15	0.77	LLS2E271MHLY
	22 $\times$ 25	1500	0.15	0.77	LLS2E271MHLZ
330	20 $\times$ 35	1680	0.15	0.86	LLS2E331MHLY
	22 $\times$ 30	1660	0.15	0.86	LLS2E331MHLZ
	25 $\times$ 25	1610	0.15	0.86	LLS2E331MHLA
390	20 $\times$ 40	1920	0.15	0.93	LLS2E391MHLY
	22 $\times$ 35	1880	0.15	0.93	LLS2E391MHLZ
	25 $\times$ 30	1880	0.15	0.93	LLS2E391MHLA
470	22 $\times$ 35	2150	0.15	1.02	LLS2E471MHLZ
	25 $\times$ 35	2150	0.15	1.02	LLS2E471MHLA
	30 $\times$ 25	2040	0.15	1.02	LLS2E471MHLB
560	22 $\times$ 40	2480	0.15	1.12	LLS2E561MHLZ
	25 $\times$ 35	2350	0.15	1.12	LLS2E561MHLA
	30 $\times$ 25	2350	0.15	1.12	LLS2E561MHLB
680	25 $\times$ 40	2670	0.15	1.23	LLS2E681MHLA
	30 $\times$ 30	2710	0.15	1.23	LLS2E681MHLB
820	25 $\times$ 45	3010	0.15	1.35	LLS2E821MHLA
	30 $\times$ 35	2980	0.15	1.35	LLS2E821MHLB
	35 $\times$ 30	2960	0.15	1.35	LLS2E821MHLA
1000	30 $\times$ 40	3560	0.15	1.50	LLS2E102MHLB
	35 $\times$ 35	3480	0.15	1.50	LLS2E102MHLA
1200	30 $\times$ 45	3990	0.15	1.64	LLS2E122MHLB
	35 $\times$ 35	3840	0.15	1.64	LLS2E122MHLA
1500	35 $\times$ 40	4330	0.15	1.83	LLS2E152MHLA
1800	35 $\times$ 50	4540	0.15	2.01	LLS2E182MHLA

Rated Ripple (mA rms) at 85°C 120Hz

■ Dimensions

350V (2V)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
120	20 $\times$ 30	960	0.15	0.61	LLS2V121MHLY
	22 $\times$ 25	1040	0.15	0.61	LLS2V121MHLZ
150	20 $\times$ 30	1100	0.15	0.68	LLS2V151MHLY
	22 $\times$ 30	1200	0.15	0.68	LLS2V151MHLZ
	25 $\times$ 25	1220	0.15	0.68	LLS2V151MHLA
180	20 $\times$ 35	1240	0.15	0.75	LLS2V181MHLY
	22 $\times$ 30	1340	0.15	0.75	LLS2V181MHLZ
	25 $\times$ 25	1370	0.15	0.75	LLS2V181MHLA
220	22 $\times$ 35	1470	0.15	0.83	LLS2V221MHLZ
	25 $\times$ 30	1530	0.15	0.83	LLS2V221MHLA
	30 $\times$ 25	1540	0.15	0.83	LLS2V221MHLB
270	22 $\times$ 40	1700	0.15	0.92	LLS2V271MHLZ
	25 $\times$ 35	1730	0.15	0.92	LLS2V271MHLA
	30 $\times$ 25	1800	0.15	0.92	LLS2V271MHLB
330	22 $\times$ 45	1870	0.15	1.01	LLS2V331MHLZ
	25 $\times$ 35	1970	0.15	1.01	LLS2V331MHLA
	30 $\times$ 30	2030	0.15	1.01	LLS2V331MHLB
390	25 $\times$ 40	2140	0.15	1.10	LLS2V391MHLA
	30 $\times$ 35	2230	0.15	1.10	LLS2V391MHLB
	35 $\times$ 30	2300	0.15	1.10	LLS2V391MHLC
470	25 $\times$ 50	2550	0.15	1.21	LLS2V471MHLA
	30 $\times$ 35	2530	0.15	1.21	LLS2V471MHLB
	35 $\times$ 30	2550	0.15	1.21	LLS2V471MHLC
560	30 $\times$ 40	2730	0.15	1.32	LLS2V561MHLB
	35 $\times$ 35	2750	0.15	1.32	LLS2V561MHLC
680	30 $\times$ 50	3150	0.15	1.46	LLS2V681MHLB
	35 $\times$ 40	3150	0.15	1.46	LLS2V681MHLC
820	35 $\times$ 45	3470	0.15	1.60	LLS2V821MHLC
1000	35 $\times$ 50	3600	0.15	1.77	LLS2V102MHLC

400V (2G)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
68	20 $\times$ 25	750	0.15	0.49	LLS2G680MHLY
82	20 $\times$ 30	820	0.15	0.54	LLS2G820MHLY
	22 $\times$ 25	840	0.15	0.54	LLS2G820MHLZ
100	20 $\times$ 30	950	0.15	0.60	LLS2G101MHLY
	22 $\times$ 25	950	0.15	0.60	LLS2G101MHLZ
120	20 $\times$ 35	1070	0.15	0.65	LLS2G121MHLY
	22 $\times$ 30	1090	0.15	0.65	LLS2G121MHLZ
	25 $\times$ 25	1130	0.15	0.65	LLS2G121MHLA
150	20 $\times$ 40	1220	0.15	0.73	LLS2G151MHLY
	22 $\times$ 35	1240	0.15	0.73	LLS2G151MHLZ
	25 $\times$ 30	1270	0.15	0.73	LLS2G151MHLA
180	22 $\times$ 40	1410	0.15	0.80	LLS2G181MHLZ
	25 $\times$ 30	1440	0.15	0.80	LLS2G181MHLA
	30 $\times$ 25	1520	0.15	0.80	LLS2G181MHLB
220	22 $\times$ 45	1580	0.15	0.88	LLS2G221MHLZ
	25 $\times$ 35	1640	0.15	0.88	LLS2G221MHLA
	30 $\times$ 30	1660	0.15	0.88	LLS2G221MHLB
270	25 $\times$ 40	1790	0.15	0.98	LLS2G271MHLA
	30 $\times$ 30	1820	0.15	0.98	LLS2G271MHLB
330	25 $\times$ 45	2000	0.15	1.08	LLS2G331MHLA
	30 $\times$ 35	2050	0.15	1.08	LLS2G331MHLB
	35 $\times$ 30	2050	0.15	1.08	LLS2G331MHLC
390	30 $\times$ 40	2260	0.15	1.18	LLS2G391MHLB
	35 $\times$ 35	2280	0.15	1.18	LLS2G391MHLC
470	30 $\times$ 45	2510	0.15	1.30	LLS2G471MHLB
	35 $\times$ 35	2510	0.15	1.30	LLS2G471MHLC
560	30 $\times$ 50	2850	0.15	1.41	LLS2G561MHLB
	35 $\times$ 40	2850	0.15	1.41	LLS2G561MHLC
680	35 $\times$ 50	3100	0.15	1.56	LLS2G681MHLC

450V (2W)					
Cap. (μ F)	Size $\phi D \times L$ (mm)	Rated ripple (mA)	$\tan \delta$	Leakage Current (mA)	Code
56	20 $\times$ 25	610	0.20	0.47	LLS2W560MHLY
68	20 $\times$ 30	710	0.20	0.52	LLS2W680MHLY
	22 $\times$ 25	710	0.20	0.52	LLS2W680MHLZ
82	20 $\times$ 35	800	0.20	0.57	LLS2W820MHLY
	22 $\times$ 25	860	0.20	0.57	LLS2W820MHLZ
100	20 $\times$ 35	880	0.20	0.63	LLS2W101MHLY
	22 $\times$ 30	950	0.20	0.63	LLS2W101MHLZ
	25 $\times$ 25	970	0.20	0.63	LLS2W101MHLA
120	20 $\times$ 40	990	0.20	0.69	LLS2W121MHLY
	22 $\times$ 35	1070	0.20	0.69	LLS2W121MHLZ
	25 $\times$ 30	1090	0.20	0.69	LLS2W121MHLA
	30 $\times$ 25	1120	0.20	0.69	LLS2W121MHLB
150	22 $\times$ 40	1180	0.20	0.77	LLS2W151MHLZ
	25 $\times$ 30	1250	0.20	0.77	LLS2W151MHLA
	30 $\times$ 25	1290	0.20	0.77	LLS2W151MHLB
180	22 $\times$ 45	1320	0.20	0.85	LLS2W181MHLZ
	25 $\times$ 35	1400	0.20	0.85	LLS2W181MHLA
	30 $\times$ 30	1450	0.20	0.85	LLS2W181MHLB
220	25 $\times$ 40	1590	0.20	0.94	LLS2W221MHLA
	30 $\times$ 30	1640	0.20	0.94	LLS2W221MHLB
	35 $\times$ 25	1590	0.20	0.94	LLS2W221MHLC
270	30 $\times$ 35	1890	0.20	1.04	LLS2W271MHLB
	35 $\times$ 30	1900	0.20	1.04	LLS2W271MHLC
330	30 $\times$ 40	2120	0.20	1.15	LLS2W331MHLB
	35 $\times$ 35	2150	0.20	1.15	LLS2W331MHLC
390	30 $\times$ 45	2350	0.20	1.25	LLS2W391MHLB
	35 $\times$ 40	2380	0.20	1.25	LLS2W391MHLC
470	35 $\times$ 45	2680	0.20	1.37	LLS2W471MHLC
560	35 $\times$ 50	2880	0.20	1.50	LLS2W561MHLC

Rated Ripple (mA rms) at 85°C 120Hz

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