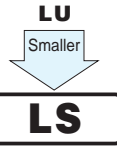
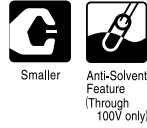


LS series Snap-in Terminal Type, Smaller-Sized

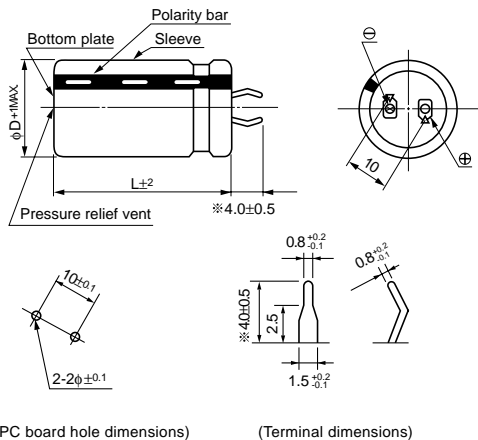


- Withstanding 3000 hours application of ripple current at 85°C.
- One rank smaller case sized than LU series.
- Higher production efficiency due to 4.0mm long terminal.

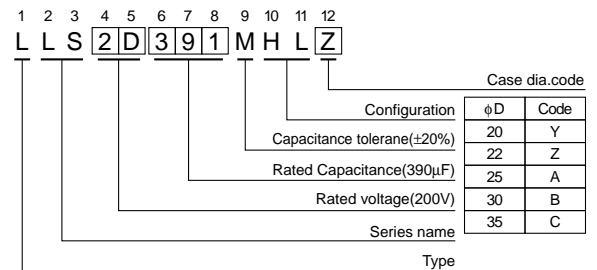
Specifications

Item	Performance Characteristics																													
Category Temperature Range	- 40 ~ + 85°C (16~250V), - 25 ~ + 85°C (350 ~ 450V)																													
Rated Voltage Range	16 ~ 450V																													
Rated Capacitance Range	56 ~ 56000μF																													
Capacitance Tolerance	± 20% at 120Hz, 20°C																													
Leakage Current	$I \leq 3\sqrt{CV}$ (μA) (After 5 minutes' application of rated voltage) [C : Rated Capacitance (μF) V : Voltage(V)]																													
tan δ	Measurement frequency : 120Hz, Temperature : 20°C																													
	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>160</th> <th>180</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tan δ (MAX.)</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table>	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
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																													
	<table border="1"> <thead> <tr> <th colspan="2">Rated voltage (V)</th> <th>16 ~ 100</th> <th>160 ~ 250</th> <th>350 ~ 450</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance ratio ZT/Z20(MAX.)</td> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>8</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>20</td> <td>12</td> <td>—</td> </tr> </tbody> </table>	Rated voltage (V)		16 ~ 100	160 ~ 250	350 ~ 450	Impedance ratio ZT/Z20(MAX.)	Z-25°C/Z+20°C	4	3	8	Z-40°C/Z+20°C	20	12	—															
Rated voltage (V)		16 ~ 100	160 ~ 250	350 ~ 450																										
Impedance ratio ZT/Z20(MAX.)	Z-25°C/Z+20°C	4	3	8																										
	Z-40°C/Z+20°C	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°C, capacitors meet the characteristic requirements listed at right.																													
	<table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>tan δ</td> <td>200% or less of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Initial specified value or less</td> </tr> </tbody> </table>	Capacitance change	Within ±20% of initial value	tan δ	200% or less of initial specified value	Leakage current	Initial specified value or less																							
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.																													
	<table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ±15% of initial value</td> </tr> <tr> <td>tan δ</td> <td>150% or less of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Initial specified value or less</td> </tr> </tbody> </table>	Capacitance change	Within ±15% of initial value	tan δ	150% or less of initial specified value	Leakage current	Initial specified value or less																							
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



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~
Coeff.	16~ 100V	0.88	0.90	1.00	1.07	1.15	1.15
	160~ 250V	0.81	0.85	1.00	1.17	1.32	1.45
	350~ 450V	0.77	0.82	1.00	1.16	1.30	1.41

Minimum order quantity : 50pcs.

■ Dimension table in next page.



■ Dimensions

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

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

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

50V (1H)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
2200	22 × 25	1930	0.30	0.99	LLS1H222MHLZ
2700	22 × 30	2210	0.30	1.10	LLS1H272MHLZ
	22 × 30	2410	0.30	1.21	LLS1H332MHLZ
3300	25 × 25	2380	0.30	1.21	LLS1H332MHLA
	22 × 35	2720	0.30	1.32	LLS1H392MHLZ
3900	25 × 30	2680	0.30	1.32	LLS1H392MHLA
	22 × 40	3020	0.30	1.45	LLS1H472MHLZ
4700	25 × 30	3070	0.30	1.45	LLS1H472MHLA
	30 × 25	3010	0.30	1.45	LLS1H472MHLB
	22 × 45	3430	0.30	1.58	LLS1H562MHLZ
5600	25 × 35	3470	0.30	1.58	LLS1H562MHLA
	30 × 30	3430	0.30	1.58	LLS1H562MHLB
	22 × 50	3940	0.30	1.74	LLS1H682MHLZ
6800	25 × 40	3870	0.30	1.74	LLS1H682MHLA
	30 × 35	3930	0.30	1.74	LLS1H682MHLB
	25 × 45	4440	0.30	1.92	LLS1H822MHLA
8200	30 × 35	4470	0.30	1.92	LLS1H822MHLB
	35 × 30	4410	0.30	1.92	LLS1H822MHLA
	30 × 40	5080	0.30	2.12	LLS1H103MHLB
10000	35 × 35	4920	0.30	2.12	LLS1H103MHLA
	30 × 50	5720	0.30	2.32	LLS1H123MHLB
12000	35 × 40	5690	0.30	2.32	LLS1H123MHLA
	35 × 45	6560	0.30	2.59	LLS1H153MHLA
18000	35 × 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
	22 × 30	2110	0.20	1.13	LLS1K182MHLZ
1800	25 × 25	2260	0.20	1.13	LLS1K182MHLA
	22 × 35	2530	0.20	1.25	LLS1K222MHLZ
2200	25 × 30	2530	0.20	1.25	LLS1K222MHLA
	30 × 25	2560	0.20	1.25	LLS1K222MHLB
	22 × 40	2930	0.20	1.39	LLS1K272MHLZ
2700	25 × 35	2930	0.20	1.39	LLS1K272MHLA
	30 × 30	2910	0.20	1.39	LLS1K272MHLB
	22 × 45	3230	0.20	1.54	LLS1K332MHLZ
3300	25 × 40	3290	0.20	1.54	LLS1K332MHLA
	30 × 30	3250	0.20	1.54	LLS1K332MHLB
	22 × 50	3620	0.20	1.67	LLS1K392MHLZ
3900	25 × 45	3710	0.20	1.67	LLS1K392MHLA
	30 × 35	3700	0.20	1.67	LLS1K392MHLB
	25 × 50	4280	0.20	1.83	LLS1K472MHLA
4700	30 × 40	4230	0.20	1.83	LLS1K472MHLB
	35 × 30	4120	0.20	1.83	LLS1K472MHLC
	30 × 45	4700	0.20	2.00	LLS1K562MHLB
5600	35 × 35	4640	0.20	2.00	LLS1K562MHLC
	30 × 50	5270	0.20	2.21	LLS1K682MHLB
6800	35 × 40	5240	0.20	2.21	LLS1K682MHLC
	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. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
270	20 × 25	1280	0.15	0.62	LLS2C271MHLY
330	20 × 25	1550	0.15	0.68	LLS2C331MHLY
390	20 × 30	1630	0.15	0.74	LLS2C391MHLY
	22 × 25	1630	0.15	0.74	LLS2C391MHLZ
470	20 × 30	1900	0.15	0.82	LLS2C471MHLY
	22 × 30	1860	0.15	0.82	LLS2C471MHLZ
	25 × 25	1860	0.15	0.82	LLS2C471MHLA
560	20 × 35	2140	0.15	0.89	LLS2C561MHLY
	22 × 30	2150	0.15	0.89	LLS2C561MHLZ
	25 × 25	2150	0.15	0.89	LLS2C561MHLA
680	20 × 40	2350	0.15	0.98	LLS2C681MHLY
	22 × 35	2350	0.15	0.98	LLS2C681MHLZ
	25 × 30	2330	0.15	0.98	LLS2C681MHLA
	30 × 25	2330	0.15	0.98	LLS2C681MHLB
820	22 × 40	2680	0.15	1.08	LLS2C821MHLZ
	25 × 30	2650	0.15	1.08	LLS2C821MHLA
	30 × 25	2640	0.15	1.08	LLS2C821MHLB
1000	22 × 45	3020	0.15	1.20	LLS2C102MHLZ
	25 × 35	3000	0.15	1.20	LLS2C102MHLA
	30 × 30	2960	0.15	1.20	LLS2C102MHLB
1200	25 × 40	3430	0.15	1.31	LLS2C122MHLA
	30 × 30	3410	0.15	1.31	LLS2C122MHLB
	35 × 25	3400	0.15	1.31	LLS2C122MHLZ
1500	25 × 50	3960	0.15	1.46	LLS2C152MHLA
	30 × 35	3960	0.15	1.46	LLS2C152MHLB
	35 × 30	3940	0.15	1.46	LLS2C152MHLZ
1800	30 × 40	4310	0.15	1.60	LLS2C182MHLB
	35 × 35	4280	0.15	1.60	LLS2C182MHLZ
2200	30 × 50	4960	0.15	1.77	LLS2C222MHLB
	35 × 40	4960	0.15	1.77	LLS2C222MHLZ
2700	35 × 45	5570	0.15	1.97	LLS2C272MHLZ

180V (2Z)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
270	20 × 25	1290	0.15	0.66	LLS2Z271MHLY
330	20 × 30	1770	0.15	0.73	LLS2Z331MHLY
	22 × 25	1770	0.15	0.73	LLS2Z331MHLZ
390	20 × 30	1840	0.15	0.79	LLS2Z391MHLY
	22 × 25	1840	0.15	0.79	LLS2Z391MHLZ
470	20 × 35	1910	0.15	0.87	LLS2Z471MHLY
	22 × 30	1910	0.15	0.87	LLS2Z471MHLZ
	25 × 25	2080	0.15	0.87	LLS2Z471MHLA
560	20 × 40	2150	0.15	0.95	LLS2Z561MHLY
	22 × 35	2250	0.15	0.95	LLS2Z561MHLZ
	25 × 25	2150	0.15	0.95	LLS2Z561MHLA
680	22 × 35	2480	0.15	1.04	LLS2Z681MHLZ
	25 × 30	2500	0.15	1.04	LLS2Z681MHLA
	30 × 25	2460	0.15	1.04	LLS2Z681MHLB
	22 × 40	2860	0.15	1.15	LLS2Z821MHLZ
820	25 × 35	2750	0.15	1.15	LLS2Z821MHLA
	30 × 25	2690	0.15	1.15	LLS2Z821MHLB
	22 × 50	3100	0.15	1.27	LLS2Z102MHLZ
1000	25 × 40	3060	0.15	1.27	LLS2Z102MHLA
	30 × 30	3100	0.15	1.27	LLS2Z102MHLB
	25 × 45	3630	0.15	1.39	LLS2Z122MHLA
1200	30 × 35	3550	0.15	1.39	LLS2Z122MHLB
	35 × 30	3490	0.15	1.39	LLS2Z122MHLZ
	30 × 40	4100	0.15	1.55	LLS2Z152MHLB
1500	35 × 35	4020	0.15	1.55	LLS2Z152MHLZ
	30 × 45	4550	0.15	1.70	LLS2Z182MHLB
1800	35 × 35	4540	0.15	1.70	LLS2Z182MHLZ
2200	35 × 40	4830	0.15	1.88	LLS2Z222MHLZ
2700	35 × 50	5300	0.15	2.09	LLS2Z272MHLZ

200V (2D)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
220	20 × 25	1190	0.15	0.62	LLS2D221MHLY
270	20 × 25	1390	0.15	0.69	LLS2D271MHLY
	22 × 25	1370	0.15	0.69	LLS2D271MHLZ
330	20 × 30	1560	0.15	0.77	LLS2D331MHLY
	22 × 25	1510	0.15	0.77	LLS2D331MHLZ
390	20 × 35	1740	0.15	0.83	LLS2D391MHLY
	22 × 30	1730	0.15	0.83	LLS2D391MHLZ
	25 × 25	1710	0.15	0.83	LLS2D391MHLA
470	20 × 35	2030	0.15	0.91	LLS2D471MHLY
	22 × 30	1970	0.15	0.91	LLS2D471MHLZ
	25 × 25	1950	0.15	0.91	LLS2D471MHLA
560	20 × 40	2180	0.15	1.00	LLS2D561MHLY
	22 × 35	2180	0.15	1.00	LLS2D561MHLZ
	25 × 30	2150	0.15	1.00	LLS2D561MHLA
	30 × 25	2150	0.15	1.00	LLS2D561MHLB
680	22 × 40	2480	0.15	1.10	LLS2D681MHLZ
	25 × 30	2480	0.15	1.10	LLS2D681MHLA
	30 × 25	2480	0.15	1.10	LLS2D681MHLB
820	22 × 45	2810	0.15	1.21	LLS2D821MHLZ
	25 × 35	2790	0.15	1.21	LLS2D821MHLA
	30 × 30	2800	0.15	1.21	LLS2D821MHLB
1000	22 × 50	3280	0.15	1.34	LLS2D102MHLZ
	25 × 40	3280	0.15	1.34	LLS2D102MHLA
	30 × 35	3150	0.15	1.34	LLS2D102MHLB
1200	30 × 35	3610	0.15	1.46	LLS2D122MHLB
	35 × 30	3570	0.15	1.46	LLS2D122MHLZ
1500	30 × 45	4130	0.15	1.64	LLS2D152MHLB
	35 × 35	4060	0.15	1.64	LLS2D152MHLZ
1800	30 × 50	4600	0.15	1.80	LLS2D182MHLB
	35 × 40	4590	0.15	1.80	LLS2D182MHLZ
2200	35 × 45	5250	0.15	1.98	LLS2D222MHLZ

250V (2E)					
Cap. (μF)	Size φD × L(mm)	Rated ripple (mA)	tan δ	Leakage Current (mA)	Code
180	20 × 25	1200	0.15	0.63	LLS2E181MHLY
220	20 × 25	1260	0.15	0.70	LLS2E221MHLY
	22 × 25	1240	0.15	0.70	LLS2E221MHLZ
270	20 × 30	1420	0.15	0.77	LLS2E271MHLY
	22 × 25	1500	0.15	0.77	LLS2E271MHLZ
330	20 × 35	1680	0.15	0.86	LLS2E331MHLY
	22 × 30	1660	0.15	0.86	LLS2E331MHLZ
	25 × 25	1610	0.15	0.86	LLS2E331MHLA
390	20 × 40	1920	0.15	0.93	LLS2E391MHLY
	22 × 35	1880	0.15	0.93	LLS2E391MHLZ
	25 × 30	1880	0.15	0.93	LLS2E391MHLA
470	22 × 35	2150	0.15	1.02	LLS2E471MHLZ
	25 × 35	2150	0.15	1.02	LLS2E471MHLA
	30 × 25	2040	0.15	1.02	LLS2E471MHLB
	22 × 40	2480	0.15	1.12	LLS2E561MHLZ
560	25 × 35	2350	0.15	1.12	LLS2E561MHLA
	30 × 25	2350	0.15	1.12	LLS2E561MHLB
	25 × 40	2670	0.15	1.23	LLS2E681MHLA
680	30 × 30	2710	0.15	1.23	LLS2E681MHLB
	25 × 45	3010	0.15	1.35	LLS2E821MHLA
820	30 × 35	2980	0.15	1.35	LLS2E821MHLB
	35 × 30	2960	0.15	1.35	LLS2E821MHLZ
	30 × 40	3560	0.15	1.50	LLS2E102MHLB
1000	35 × 35	3480	0.15	1.50	LLS2E102MHLZ
	30 × 45	3990	0.15	1.64	LLS2E122MHLB
1200	35 × 35	3840	0.15	1.64	LLS2E122MHLZ
	35 × 40	4330	0.15	1.83	LLS2E152MHLZ
1800	35 × 50	4540	0.15	2.01	LLS2E182MHLZ

Rated Ripple (mA rms) at 85°C 120Hz



■ Dimensions

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

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

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

Rated Ripple (mA rms) at 85°C 120Hz