

ALUMINUM ELECTROLYTIC CAPACITORS



LS Snap-in Terminal Type, 85°C Standard series



- Withstanding 3000 hours application of rated ripple current at 85°C.
- Compliant to the RoHS directive (2002/95/EC).



Specifications

| Item | Performance Characteristics | | | | | | | | | | | | | | | | |
|-------------------------------|--|---|-----------|------|------|------------|------|------|------------|------|------|------|------|------|------|--|--|
| Category Temperature Range | - 40 to +85°C (16 to 250V), - 25 to +85°C (350 to 450V) | | | | | | | | | | | | | | | | |
| Rated Voltage Range | 16 to 450V | | | | | | | | | | | | | | | | |
| Rated Capacitance Range | 56 to 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)] | | | | | | | | | | | | | | | | |
| Tangent of loss angle (tan δ) | Measurement frequency : 120Hz at 20°C | | | | | | | | | | | | | | | | |
| | 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 to 100 | | | 160 to 250 | | | 350 to 450 | | | | | | | | |
| | Impedance ratio Z/Z20(MAX.) | Z - 25°C/Z+20°C | | 4 | | | 3 | | | 8 | | | | | | | |
| | Z - 40°C/Z+20°C | | 20 | | | 12 | | | — | | | | | | | | |
| Endurance | The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 3000 hours at 85°C, the peak voltage shall not exceed the rated voltage. | | | | | | | | | | | | | | | | |
| | Capacitance change | Within ±20% of the initial capacitance value | | | | | | | | | | | | | | | |
| | tan δ | 200% or less than the initial specified value | | | | | | | | | | | | | | | |
| Shelf Life | After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the requirements listed at right. | | | | | | | | | | | | | | | | |
| | Capacitance change | Within ±15% of the initial capacitance value | | | | | | | | | | | | | | | |
| | tan δ | 150% or less than the initial specified value | | | | | | | | | | | | | | | |
| Leakage current | Less than or equal to the initial specified value | | | | | | | | | | | | | | | | |
| Marking | Printed with white color letter on black sleeve. | | | | | | | | | | | | | | | | |

Drawing



(PC board hole dimensions) (Terminal dimensions)

* The other terminal is also available upon request.
Please refer to page 280 for schematic of dimensions.

Type numbering system (Example : 200V 390μF)



Frequency coefficient of rated ripple current

| Frequency (Hz) | 50 | 60 | 120 | 300 | 1 k | 10k | 50k or more |
|----------------|------|------|------|------|------|------|-------------|
| 16 to 100V | 0.88 | 0.90 | 1.00 | 1.07 | 1.15 | 1.15 | 1.15 |
| 160 to 250V | 0.81 | 0.85 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 |
| 350 to 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. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 8200 | 22 × 25 | 2560 | 1.08 | LLS1C822MELZ |
| 10000 | 22 × 30 | 2890 | 1.20 | LLS1C103MELZ |
| 12000 | 22 × 30 | 3130 | 1.31 | LLS1C123MELZ |
| | 25 × 25 | 3010 | 1.31 | LLS1C123MELA |
| 15000 | 22 × 35 | 3690 | 1.46 | LLS1C153MELZ |
| | 25 × 30 | 3640 | 1.46 | LLS1C153MELA |
| | 30 × 25 | 3730 | 1.46 | LLS1C153MELB |
| 18000 | 22 × 40 | 3980 | 1.60 | LLS1C183MELZ |
| | 25 × 35 | 3980 | 1.60 | LLS1C183MELA |
| | 30 × 30 | 3880 | 1.60 | LLS1C183MELB |
| 22000 | 22 × 50 | 4520 | 1.77 | LLS1C223MELZ |
| | 25 × 40 | 4440 | 1.77 | LLS1C223MELA |
| | 30 × 30 | 4380 | 1.77 | LLS1C223MELB |
| 27000 | 25 × 45 | 4980 | 1.97 | LLS1C273MELA |
| | 30 × 35 | 4950 | 1.97 | LLS1C273MELB |
| | 35 × 30 | 4820 | 1.97 | LLS1C273MELC |
| 33000 | 25 × 50 | 5490 | 2.17 | LLS1C333MELA |
| | 30 × 40 | 5600 | 2.17 | LLS1C333MELB |
| | 35 × 30 | 5460 | 2.17 | LLS1C333MELC |
| 39000 | 30 × 45 | 6210 | 2.36 | LLS1C393MELB |
| | 35 × 35 | 6120 | 2.36 | LLS1C393MELC |
| 47000 | 30 × 50 | 6930 | 2.60 | LLS1C473MELB |
| | 35 × 40 | 6890 | 2.60 | LLS1C473MELC |
| 56000 | 35 × 45 | 7690 | 2.83 | LLS1C563MELC |

| 25V (1E) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 5600 | 22 × 25 | 2310 | 1.12 | LLS1E562MELZ |
| 6800 | 22 × 30 | 2560 | 1.23 | LLS1E682MELZ |
| | 25 × 25 | 2470 | 1.23 | LLS1E682MELA |
| 8200 | 22 × 35 | 2860 | 1.35 | LLS1E822MELZ |
| | 25 × 25 | 2780 | 1.35 | LLS1E822MELA |
| 10000 | 22 × 35 | 3310 | 1.50 | LLS1E103MELZ |
| | 25 × 30 | 3160 | 1.50 | LLS1E103MELA |
| 12000 | 22 × 40 | 3770 | 1.64 | LLS1E123MELZ |
| | 25 × 35 | 3630 | 1.64 | LLS1E123MELA |
| | 30 × 25 | 3800 | 1.64 | LLS1E123MELB |
| 15000 | 22 × 50 | 4210 | 1.83 | LLS1E153MELZ |
| | 25 × 40 | 4100 | 1.83 | LLS1E153MELA |
| | 30 × 30 | 4000 | 1.83 | LLS1E153MELB |
| 18000 | 25 × 45 | 4680 | 2.01 | LLS1E183MELA |
| | 30 × 35 | 4660 | 2.01 | LLS1E183MELB |
| | 35 × 30 | 4680 | 2.01 | LLS1E183MELC |
| 22000 | 25 × 50 | 5190 | 2.22 | LLS1E223MELA |
| | 30 × 40 | 5330 | 2.22 | LLS1E223MELB |
| | 35 × 35 | 5260 | 2.22 | LLS1E223MELC |
| 27000 | 30 × 45 | 6020 | 2.46 | LLS1E273MELB |
| | 35 × 40 | 6020 | 2.46 | LLS1E273MELC |
| 33000 | 35 × 45 | 6750 | 2.72 | LLS1E333MELC |
| 39000 | 35 × 50 | 7560 | 2.96 | LLS1E393MELC |

| 35V (1V) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 3900 | 22 × 25 | 2220 | 1.10 | LLS1V392MELZ |
| 4700 | 22 × 30 | 2460 | 1.21 | LLS1V472MELZ |
| | 25 × 25 | 2430 | 1.21 | LLS1V472MELA |
| 5600 | 22 × 35 | 2790 | 1.32 | LLS1V562MELZ |
| | 25 × 30 | 2750 | 1.32 | LLS1V562MELA |
| 6800 | 22 × 40 | 2970 | 1.46 | LLS1V682MELZ |
| | 25 × 30 | 2890 | 1.46 | LLS1V682MELA |
| | 30 × 25 | 3090 | 1.46 | LLS1V682MELB |
| 8200 | 22 × 45 | 3470 | 1.60 | LLS1V822MELZ |
| | 25 × 35 | 3330 | 1.60 | LLS1V822MELA |
| | 30 × 30 | 3290 | 1.60 | LLS1V822MELB |
| 10000 | 22 × 50 | 3750 | 1.77 | LLS1V103MELZ |
| | 25 × 40 | 3650 | 1.77 | LLS1V103MELA |
| | 30 × 30 | 3610 | 1.77 | LLS1V103MELB |
| 12000 | 25 × 45 | 4150 | 1.94 | LLS1V123MELA |
| | 30 × 35 | 4140 | 1.94 | LLS1V123MELB |
| | 35 × 30 | 4270 | 1.94 | LLS1V123MELC |
| 15000 | 25 × 50 | 4800 | 2.17 | LLS1V153MELA |
| | 30 × 40 | 4800 | 2.17 | LLS1V153MELB |
| | 35 × 35 | 4950 | 2.17 | LLS1V153MELC |
| 18000 | 30 × 45 | 5300 | 2.38 | LLS1V183MELB |
| | 35 × 40 | 5710 | 2.38 | LLS1V183MELC |
| 22000 | 35 × 45 | 6380 | 2.63 | LLS1V223MELC |
| 27000 | 35 × 50 | 6900 | 2.91 | LLS1V273MELC |

| 50V (1H) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 2200 | 22 × 25 | 1930 | 0.99 | LLS1H222MELZ |
| 2700 | 22 × 30 | 2210 | 1.10 | LLS1H272MELZ |
| 3300 | 22 × 30 | 2410 | 1.21 | LLS1H332MELZ |
| | 25 × 25 | 2380 | 1.21 | LLS1H332MELA |
| 3900 | 22 × 35 | 2720 | 1.32 | LLS1H392MELZ |
| | 25 × 30 | 2680 | 1.32 | LLS1H392MELA |
| 4700 | 22 × 40 | 3020 | 1.45 | LLS1H472MELZ |
| | 25 × 30 | 3070 | 1.45 | LLS1H472MELA |
| | 30 × 25 | 3010 | 1.45 | LLS1H472MELB |
| 5600 | 22 × 45 | 3430 | 1.58 | LLS1H562MELZ |
| | 25 × 35 | 3470 | 1.58 | LLS1H562MELA |
| | 30 × 30 | 3430 | 1.58 | LLS1H562MELB |
| 6800 | 22 × 50 | 3940 | 1.74 | LLS1H682MELZ |
| | 25 × 40 | 3870 | 1.74 | LLS1H682MELA |
| | 30 × 35 | 3930 | 1.74 | LLS1H682MELB |
| 8200 | 25 × 45 | 4440 | 1.92 | LLS1H822MELA |
| | 30 × 35 | 4470 | 1.92 | LLS1H822MELB |
| | 35 × 30 | 4410 | 1.92 | LLS1H822MELC |
| 10000 | 30 × 40 | 5080 | 2.12 | LLS1H103MELB |
| | 35 × 35 | 4920 | 2.12 | LLS1H103MELC |
| 12000 | 30 × 50 | 5720 | 2.32 | LLS1H123MELB |
| | 35 × 40 | 5690 | 2.32 | LLS1H123MELC |
| 15000 | 35 × 45 | 6560 | 2.59 | LLS1H153MELC |
| 18000 | 35 × 50 | 7140 | 2.84 | LLS1H183MELC |

Rated ripple current (mArms) at 85°C 120Hz

■Dimensions

| 63V (1J) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 1800 | 22 × 25 | 1900 | 1.01 | LLS1J182MELZ |
| 2200 | 22 × 30 | 2350 | 1.11 | LLS1J222MELZ |
| | 25 × 25 | 2300 | 1.11 | LLS1J222MELA |
| 2700 | 22 × 35 | 2500 | 1.23 | LLS1J272MELZ |
| | 25 × 30 | 2520 | 1.23 | LLS1J272MELA |
| 3300 | 22 × 35 | 2720 | 1.36 | LLS1J332MELZ |
| | 25 × 30 | 2740 | 1.36 | LLS1J332MELA |
| | 30 × 25 | 2840 | 1.36 | LLS1J332MELB |
| 3900 | 22 × 40 | 3090 | 1.48 | LLS1J392MELZ |
| | 25 × 35 | 3130 | 1.48 | LLS1J392MELA |
| | 30 × 30 | 3090 | 1.48 | LLS1J392MELB |
| 4700 | 22 × 50 | 3690 | 1.63 | LLS1J472MELZ |
| | 25 × 40 | 3590 | 1.63 | LLS1J472MELA |
| | 30 × 30 | 3540 | 1.63 | LLS1J472MELB |
| 5600 | 25 × 45 | 4010 | 1.78 | LLS1J562MELA |
| | 30 × 35 | 4000 | 1.78 | LLS1J562MELB |
| | 35 × 30 | 3750 | 1.78 | LLS1J562MELC |
| 6800 | 25 × 50 | 4520 | 1.96 | LLS1J682MELA |
| | 30 × 40 | 4550 | 1.96 | LLS1J682MELB |
| | 35 × 30 | 4440 | 1.96 | LLS1J682MELC |
| 8200 | 30 × 45 | 5120 | 2.15 | LLS1J822MELB |
| | 35 × 35 | 5050 | 2.15 | LLS1J822MELC |
| 10000 | 30 × 50 | 5780 | 2.38 | LLS1J103MELB |
| | 35 × 40 | 5750 | 2.38 | LLS1J103MELC |
| 12000 | 35 × 45 | 6470 | 2.60 | LLS1J123MELC |

| 80V (1K) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 1200 | 22 × 25 | 1770 | 0.92 | LLS1K122MELZ |
| 1500 | 22 × 30 | 2010 | 1.03 | LLS1K152MELZ |
| 1800 | 22 × 30 | 2110 | 1.13 | LLS1K182MELZ |
| | 25 × 25 | 2260 | 1.13 | LLS1K182MELA |
| 2200 | 22 × 35 | 2530 | 1.25 | LLS1K222MELZ |
| | 25 × 30 | 2530 | 1.25 | LLS1K222MELA |
| | 30 × 25 | 2560 | 1.25 | LLS1K222MELB |
| 2700 | 22 × 40 | 2930 | 1.39 | LLS1K272MELZ |
| | 25 × 35 | 2930 | 1.39 | LLS1K272MELA |
| | 30 × 30 | 2910 | 1.39 | LLS1K272MELB |
| 3300 | 22 × 45 | 3230 | 1.54 | LLS1K332MELZ |
| | 25 × 40 | 3290 | 1.54 | LLS1K332MELA |
| | 30 × 30 | 3250 | 1.54 | LLS1K332MELB |
| 3900 | 22 × 50 | 3620 | 1.67 | LLS1K392MELZ |
| | 25 × 45 | 3710 | 1.67 | LLS1K392MELA |
| | 30 × 35 | 3700 | 1.67 | LLS1K392MELB |
| 4700 | 25 × 50 | 4280 | 1.83 | LLS1K472MELA |
| | 30 × 40 | 4230 | 1.83 | LLS1K472MELB |
| | 35 × 30 | 4120 | 1.83 | LLS1K472MELC |
| 5600 | 30 × 45 | 4700 | 2.00 | LLS1K562MELB |
| | 35 × 35 | 4640 | 2.00 | LLS1K562MELC |
| 6800 | 30 × 50 | 5270 | 2.21 | LLS1K682MELB |
| | 35 × 40 | 5240 | 2.21 | LLS1K682MELC |
| 8200 | 35 × 45 | 5890 | 2.42 | LLS1K822MELC |
| 10000 | 35 × 50 | 6630 | 2.68 | LLS1K103MELC |

| 100V (2A) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 820 | 22 × 25 | 1860 | 0.85 | LLS2A821MELZ |
| 1000 | 22 × 30 | 2020 | 0.94 | LLS2A102MELZ |
| 1200 | 22 × 30 | 2120 | 1.03 | LLS2A122MELZ |
| | 25 × 25 | 2110 | 1.03 | LLS2A122MELA |
| 1500 | 22 × 35 | 2450 | 1.16 | LLS2A152MELZ |
| | 25 × 30 | 2470 | 1.16 | LLS2A152MELA |
| | 30 × 25 | 2560 | 1.16 | LLS2A152MELB |
| 1800 | 22 × 40 | 2770 | 1.27 | LLS2A182MELZ |
| | 25 × 35 | 2810 | 1.27 | LLS2A182MELA |
| | 30 × 25 | 2650 | 1.27 | LLS2A182MELB |
| 2200 | 22 × 45 | 3150 | 1.40 | LLS2A222MELZ |
| | 25 × 40 | 3210 | 1.40 | LLS2A222MELA |
| | 30 × 30 | 3170 | 1.40 | LLS2A222MELB |
| 2700 | 25 × 45 | 3660 | 1.55 | LLS2A272MELA |
| | 30 × 35 | 3650 | 1.55 | LLS2A272MELB |
| | 35 × 30 | 3770 | 1.55 | LLS2A272MELC |
| 3300 | 25 × 50 | 4150 | 1.72 | LLS2A332MELA |
| | 30 × 40 | 4180 | 1.72 | LLS2A332MELB |
| | 35 × 35 | 4070 | 1.72 | LLS2A332MELC |
| 3900 | 30 × 45 | 4670 | 1.87 | LLS2A392MELB |
| | 35 × 35 | 4610 | 1.87 | LLS2A392MELC |
| 4700 | 30 × 50 | 5260 | 2.05 | LLS2A472MELB |
| | 35 × 40 | 5230 | 2.05 | LLS2A472MELC |
| 5600 | 35 × 45 | 5880 | 2.24 | LLS2A562MELC |
| 6800 | 35 × 50 | 6010 | 2.47 | LLS2A682MELC |

Rated ripple current (mArms) at 85°C 120Hz

■Dimensions

| 160V (2C) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 270 | 20 × 25 | 1280 | 0.62 | LLS2C271MELY |
| 330 | 20 × 25 | 1550 | 0.68 | LLS2C331MELY |
| 390 | 20 × 30 | 1630 | 0.74 | LLS2C391MELY |
| | 22 × 25 | 1630 | 0.74 | LLS2C391MELZ |
| 470 | 20 × 30 | 1900 | 0.82 | LLS2C471MELY |
| | 22 × 30 | 1860 | 0.82 | LLS2C471MELZ |
| | 25 × 25 | 1860 | 0.82 | LLS2C471MELA |
| 560 | 20 × 35 | 2140 | 0.89 | LLS2C561MELY |
| | 22 × 30 | 2150 | 0.89 | LLS2C561MELZ |
| | 25 × 25 | 2150 | 0.89 | LLS2C561MELA |
| 680 | 20 × 40 | 2350 | 0.98 | LLS2C681MELY |
| | 22 × 35 | 2350 | 0.98 | LLS2C681MELZ |
| | 25 × 30 | 2330 | 0.98 | LLS2C681MELA |
| | 30 × 25 | 2330 | 0.98 | LLS2C681MELB |
| 820 | 22 × 40 | 2680 | 1.08 | LLS2C821MELZ |
| | 25 × 30 | 2650 | 1.08 | LLS2C821MELA |
| | 30 × 25 | 2640 | 1.08 | LLS2C821MELB |
| 1000 | 22 × 45 | 3020 | 1.20 | LLS2C102MELZ |
| | 25 × 35 | 3000 | 1.20 | LLS2C102MELA |
| | 30 × 30 | 2960 | 1.20 | LLS2C102MELB |
| 1200 | 25 × 40 | 3430 | 1.31 | LLS2C122MELA |
| | 30 × 30 | 3410 | 1.31 | LLS2C122MELB |
| | 35 × 25 | 3400 | 1.31 | LLS2C122MELC |
| 1500 | 25 × 50 | 3960 | 1.46 | LLS2C152MELA |
| | 30 × 35 | 3960 | 1.46 | LLS2C152MELB |
| | 35 × 30 | 3940 | 1.46 | LLS2C152MELC |
| 1800 | 30 × 40 | 4310 | 1.60 | LLS2C182MELB |
| | 35 × 35 | 4280 | 1.60 | LLS2C182MELC |
| 2200 | 30 × 50 | 4960 | 1.77 | LLS2C222MELB |
| | 35 × 40 | 4960 | 1.77 | LLS2C222MELC |
| 2700 | 35 × 45 | 5570 | 1.97 | LLS2C272MELC |

| 180V (2Z) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 270 | 20 × 25 | 1290 | 0.66 | LLS2Z271MELY |
| 330 | 20 × 30 | 1770 | 0.73 | LLS2Z331MELY |
| | 22 × 25 | 1770 | 0.73 | LLS2Z331MELZ |
| 390 | 20 × 30 | 1840 | 0.79 | LLS2Z391MELY |
| | 22 × 25 | 1840 | 0.79 | LLS2Z391MELZ |
| 470 | 20 × 35 | 1910 | 0.87 | LLS2Z471MELY |
| | 22 × 30 | 1910 | 0.87 | LLS2Z471MELZ |
| | 25 × 25 | 2080 | 0.87 | LLS2Z471MELA |
| 560 | 20 × 40 | 2150 | 0.95 | LLS2Z561MELY |
| | 22 × 35 | 2250 | 0.95 | LLS2Z561MELZ |
| | 25 × 25 | 2150 | 0.95 | LLS2Z561MELA |
| | 22 × 35 | 2480 | 1.04 | LLS2Z681MELZ |
| 680 | 25 × 30 | 2500 | 1.04 | LLS2Z681MELA |
| | 30 × 25 | 2460 | 1.04 | LLS2Z681MELB |
| | 22 × 40 | 2860 | 1.15 | LLS2Z821MELZ |
| 820 | 25 × 35 | 2750 | 1.15 | LLS2Z821MELA |
| | 30 × 25 | 2690 | 1.15 | LLS2Z821MELB |
| | 22 × 50 | 3100 | 1.27 | LLS2Z102MELZ |
| 1000 | 25 × 40 | 3060 | 1.27 | LLS2Z102MELA |
| | 30 × 30 | 3100 | 1.27 | LLS2Z102MELB |
| | 25 × 45 | 3630 | 1.39 | LLS2Z122MELA |
| 1200 | 30 × 35 | 3550 | 1.39 | LLS2Z122MELB |
| | 35 × 30 | 3490 | 1.39 | LLS2Z122MELC |
| | 30 × 40 | 4100 | 1.55 | LLS2Z152MELB |
| 1500 | 35 × 35 | 4020 | 1.55 | LLS2Z152MELC |
| | 30 × 45 | 4550 | 1.70 | LLS2Z182MELB |
| 1800 | 35 × 35 | 4540 | 1.70 | LLS2Z182MELC |
| | 2200 | 35 × 40 | 4830 | 1.88 |
| 2700 | 35 × 50 | 5300 | 2.09 | LLS2Z272MELC |

| 200V (2D) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 220 | 20 × 25 | 1190 | 0.62 | LLS2D221MELY |
| 270 | 20 × 25 | 1390 | 0.69 | LLS2D271MELY |
| | 22 × 25 | 1370 | 0.69 | LLS2D271MELZ |
| 330 | 20 × 30 | 1560 | 0.77 | LLS2D331MELY |
| | 22 × 25 | 1510 | 0.77 | LLS2D331MELZ |
| 390 | 20 × 35 | 1740 | 0.83 | LLS2D391MELY |
| | 22 × 30 | 1730 | 0.83 | LLS2D391MELZ |
| | 25 × 25 | 1710 | 0.83 | LLS2D391MELA |
| 470 | 20 × 35 | 2030 | 0.91 | LLS2D471MELY |
| | 22 × 30 | 1970 | 0.91 | LLS2D471MELZ |
| | 25 × 25 | 1950 | 0.91 | LLS2D471MELA |
| 560 | 20 × 40 | 2180 | 1.00 | LLS2D561MELY |
| | 22 × 35 | 2180 | 1.00 | LLS2D561MELZ |
| | 25 × 30 | 2150 | 1.00 | LLS2D561MELA |
| | 30 × 25 | 2150 | 1.00 | LLS2D561MELB |
| 680 | 22 × 40 | 2480 | 1.10 | LLS2D681MELZ |
| | 25 × 30 | 2480 | 1.10 | LLS2D681MELA |
| | 30 × 25 | 2480 | 1.10 | LLS2D681MELB |
| 820 | 22 × 45 | 2810 | 1.21 | LLS2D821MELZ |
| | 25 × 35 | 2790 | 1.21 | LLS2D821MELA |
| | 30 × 30 | 2800 | 1.21 | LLS2D821MELB |
| 1000 | 22 × 50 | 3280 | 1.34 | LLS2D102MELZ |
| | 25 × 40 | 3280 | 1.34 | LLS2D102MELA |
| | 30 × 35 | 3150 | 1.34 | LLS2D102MELB |
| 1200 | 30 × 35 | 3610 | 1.46 | LLS2D122MELB |
| | 35 × 30 | 3570 | 1.46 | LLS2D122MELC |
| 1500 | 30 × 45 | 4130 | 1.64 | LLS2D152MELB |
| | 35 × 35 | 4060 | 1.64 | LLS2D152MELC |
| 1800 | 30 × 50 | 4600 | 1.80 | LLS2D182MELB |
| | 35 × 40 | 4590 | 1.80 | LLS2D182MELC |
| 2200 | 35 × 45 | 5250 | 1.98 | LLS2D222MELC |

| 250V (2E) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 180 | 20 × 25 | 1200 | 0.63 | LLS2E181MELY |
| 220 | 20 × 25 | 1260 | 0.70 | LLS2E221MELY |
| | 22 × 25 | 1240 | 0.70 | LLS2E221MELZ |
| 270 | 20 × 30 | 1420 | 0.77 | LLS2E271MELY |
| | 22 × 25 | 1500 | 0.77 | LLS2E271MELZ |
| 330 | 20 × 35 | 1680 | 0.86 | LLS2E331MELY |
| | 22 × 30 | 1660 | 0.86 | LLS2E331MELZ |
| | 25 × 25 | 1610 | 0.86 | LLS2E331MELA |
| 390 | 20 × 40 | 1920 | 0.93 | LLS2E391MELY |
| | 22 × 35 | 1880 | 0.93 | LLS2E391MELZ |
| | 25 × 30 | 1880 | 0.93 | LLS2E391MELA |
| 470 | 22 × 35 | 2150 | 1.02 | LLS2E471MELZ |
| | 25 × 35 | 2150 | 1.02 | LLS2E471MELA |
| | 30 × 25 | 2040 | 1.02 | LLS2E471MELB |
| 560 | 22 × 40 | 2480 | 1.12 | LLS2E561MELZ |
| | 25 × 35 | 2350 | 1.12 | LLS2E561MELA |
| | 30 × 25 | 2350 | 1.12 | LLS2E561MELB |
| 680 | 25 × 40 | 2670 | 1.23 | LLS2E681MELA |
| | 30 × 30 | 2710 | 1.23 | LLS2E681MELB |
| 820 | 25 × 45 | 3010 | 1.35 | LLS2E821MELA |
| | 30 × 35 | 2980 | 1.35 | LLS2E821MELB |
| | 35 × 30 | 2960 | 1.35 | LLS2E821MELC |
| 1000 | 30 × 40 | 3560 | 1.50 | LLS2E102MELB |
| | 35 × 35 | 3480 | 1.50 | LLS2E102MELC |
| 1200 | 30 × 45 | 3990 | 1.64 | LLS2E122MELB |
| | 35 × 35 | 3840 | 1.64 | LLS2E122MELC |
| 1500 | 35 × 40 | 4330 | 1.83 | LLS2E152MELC |
| 1800 | 35 × 50 | 4540 | 2.01 | LLS2E182MELC |

Rated ripple current (mA) at 85°C 120Hz

■ Dimensions

| 350V (2V) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 120 | 20 × 30 | 960 | 0.61 | LLS2V121MELY |
| | 22 × 25 | 1040 | 0.61 | LLS2V121MELZ |
| 150 | 20 × 30 | 1100 | 0.68 | LLS2V151MELY |
| | 22 × 30 | 1200 | 0.68 | LLS2V151MELZ |
| | 25 × 25 | 1220 | 0.68 | LLS2V151MELA |
| 180 | 20 × 35 | 1240 | 0.75 | LLS2V181MELY |
| | 22 × 30 | 1340 | 0.75 | LLS2V181MELZ |
| | 25 × 25 | 1370 | 0.75 | LLS2V181MELA |
| 220 | 22 × 35 | 1470 | 0.83 | LLS2V221MELZ |
| | 25 × 30 | 1530 | 0.83 | LLS2V221MELA |
| | 30 × 25 | 1540 | 0.83 | LLS2V221MELB |
| 270 | 22 × 40 | 1700 | 0.92 | LLS2V271MELZ |
| | 25 × 35 | 1730 | 0.92 | LLS2V271MELA |
| | 30 × 25 | 1800 | 0.92 | LLS2V271MELB |
| 330 | 22 × 45 | 1870 | 1.01 | LLS2V331MELZ |
| | 25 × 35 | 1970 | 1.01 | LLS2V331MELA |
| | 30 × 30 | 2030 | 1.01 | LLS2V331MELB |
| 390 | 25 × 40 | 2140 | 1.10 | LLS2V391MELA |
| | 30 × 35 | 2230 | 1.10 | LLS2V391MELB |
| | 35 × 30 | 2300 | 1.10 | LLS2V391MELC |
| 470 | 25 × 50 | 2550 | 1.21 | LLS2V471MELA |
| | 30 × 35 | 2530 | 1.21 | LLS2V471MELB |
| | 35 × 30 | 2550 | 1.21 | LLS2V471MELC |
| 560 | 30 × 40 | 2730 | 1.32 | LLS2V561MELB |
| | 35 × 35 | 2750 | 1.32 | LLS2V561MELC |
| 680 | 30 × 50 | 3150 | 1.46 | LLS2V681MELB |
| | 35 × 40 | 3150 | 1.46 | LLS2V681MELC |
| 820 | 35 × 45 | 3470 | 1.60 | LLS2V821MELC |
| 1000 | 35 × 50 | 3600 | 1.77 | LLS2V102MELC |

| 400V (2G) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 68 | 20 × 25 | 750 | 0.49 | LLS2G680MELY |
| 82 | 20 × 30 | 820 | 0.54 | LLS2G820MELY |
| | 22 × 25 | 840 | 0.54 | LLS2G820MELZ |
| 100 | 20 × 30 | 950 | 0.60 | LLS2G101MELY |
| | 22 × 25 | 950 | 0.60 | LLS2G101MELZ |
| 120 | 20 × 35 | 1070 | 0.65 | LLS2G121MELY |
| | 22 × 30 | 1090 | 0.65 | LLS2G121MELZ |
| | 25 × 25 | 1130 | 0.65 | LLS2G121MELA |
| 150 | 20 × 40 | 1220 | 0.73 | LLS2G151MELY |
| | 22 × 35 | 1240 | 0.73 | LLS2G151MELZ |
| | 25 × 30 | 1270 | 0.73 | LLS2G151MELA |
| 180 | 22 × 40 | 1410 | 0.80 | LLS2G181MELZ |
| | 25 × 30 | 1440 | 0.80 | LLS2G181MELA |
| | 30 × 25 | 1520 | 0.80 | LLS2G181MELB |
| 220 | 22 × 45 | 1580 | 0.88 | LLS2G221MELZ |
| | 25 × 35 | 1640 | 0.88 | LLS2G221MELA |
| | 30 × 30 | 1660 | 0.88 | LLS2G221MELB |
| 270 | 25 × 40 | 1790 | 0.98 | LLS2G271MELA |
| | 30 × 30 | 1820 | 0.98 | LLS2G271MELB |
| 330 | 25 × 45 | 2000 | 1.08 | LLS2G331MELA |
| | 30 × 35 | 2050 | 1.08 | LLS2G331MELB |
| | 35 × 30 | 2050 | 1.08 | LLS2G331MELC |
| 390 | 30 × 40 | 2260 | 1.18 | LLS2G391MELB |
| | 35 × 35 | 2280 | 1.18 | LLS2G391MELC |
| 470 | 30 × 45 | 2510 | 1.30 | LLS2G471MELB |
| | 35 × 35 | 2510 | 1.30 | LLS2G471MELC |
| 560 | 30 × 50 | 2850 | 1.41 | LLS2G561MELB |
| | 35 × 40 | 2850 | 1.41 | LLS2G561MELC |
| 680 | 35 × 50 | 3100 | 1.56 | LLS2G681MELC |

| 450V (2W) | | | | |
|-----------|-----------------|-------------------|----------------------|--------------|
| Cap. (μF) | Size φD × L(mm) | Rated ripple (mA) | Leakage Current (mA) | Code |
| 56 | 20 × 25 | 610 | 0.47 | LLS2W560MELY |
| 68 | 20 × 30 | 710 | 0.52 | LLS2W680MELY |
| | 22 × 25 | 710 | 0.52 | LLS2W680MELZ |
| 82 | 20 × 35 | 800 | 0.57 | LLS2W820MELY |
| | 22 × 25 | 860 | 0.57 | LLS2W820MELZ |
| 100 | 20 × 35 | 880 | 0.63 | LLS2W101MELY |
| | 22 × 30 | 950 | 0.63 | LLS2W101MELZ |
| | 25 × 25 | 970 | 0.63 | LLS2W101MELA |
| 120 | 20 × 40 | 990 | 0.69 | LLS2W121MELY |
| | 22 × 35 | 1070 | 0.69 | LLS2W121MELZ |
| | 25 × 30 | 1090 | 0.69 | LLS2W121MELA |
| | 30 × 25 | 1120 | 0.69 | LLS2W121MELB |
| 150 | 22 × 40 | 1180 | 0.77 | LLS2W151MELZ |
| | 25 × 30 | 1250 | 0.77 | LLS2W151MELA |
| | 30 × 25 | 1290 | 0.77 | LLS2W151MELB |
| 180 | 22 × 45 | 1320 | 0.85 | LLS2W181MELZ |
| | 25 × 35 | 1400 | 0.85 | LLS2W181MELA |
| | 30 × 30 | 1450 | 0.85 | LLS2W181MELB |
| 220 | 25 × 40 | 1590 | 0.94 | LLS2W221MELA |
| | 30 × 30 | 1640 | 0.94 | LLS2W221MELB |
| | 35 × 25 | 1590 | 0.94 | LLS2W221MELC |
| 270 | 30 × 35 | 1890 | 1.04 | LLS2W271MELB |
| | 35 × 30 | 1900 | 1.04 | LLS2W271MELC |
| 330 | 30 × 40 | 2120 | 1.15 | LLS2W331MELB |
| | 35 × 35 | 2150 | 1.15 | LLS2W331MELC |
| 390 | 30 × 45 | 2350 | 1.25 | LLS2W391MELB |
| | 35 × 40 | 2380 | 1.25 | LLS2W391MELC |
| 470 | 35 × 45 | 2680 | 1.37 | LLS2W471MELC |
| 560 | 35 × 50 | 2880 | 1.50 | LLS2W561MELC |

Rated ripple current (mArms) at 85°C 120Hz

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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