

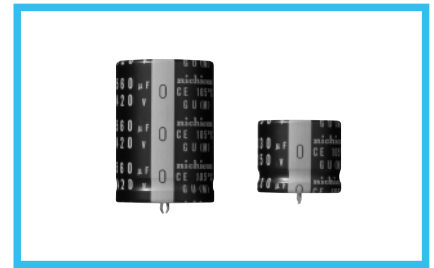
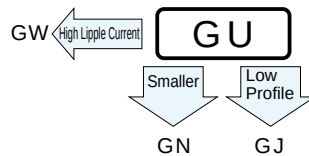
GU

Snap-in Terminal Type, 105°C Standard

series



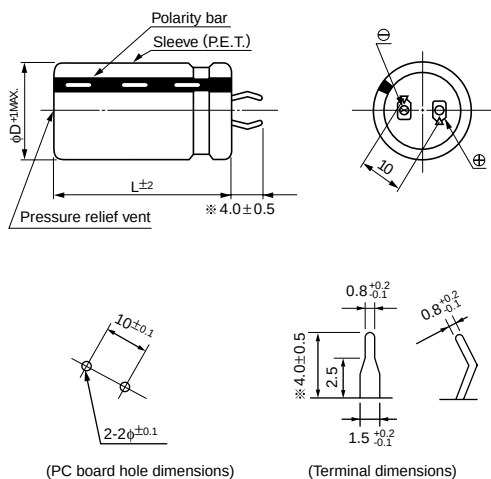
- Withstanding 3000 hours application of rated ripple current at 105°C.
- Compliant to the RoHS directive (2002/95/EC).



## Specifications

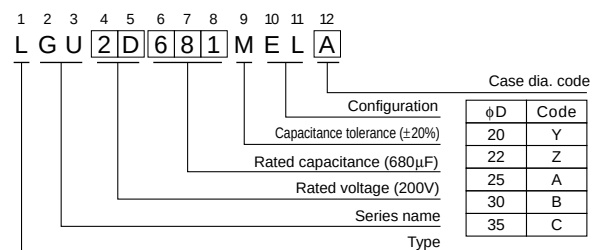
| Item                          | Performance Characteristics                                                                                                                                                                                                 |                                                                            |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Category Temperature Range    | - 40 to + 105°C (16 to 250V) , - 25 to +105°C (315 to 450V)                                                                                                                                                                 |                                                                            |
| Rated Voltage Range           | 16 to 450V                                                                                                                                                                                                                  |                                                                            |
| Rated Capacitance Range       | 47 to 47000μF                                                                                                                                                                                                               |                                                                            |
| Capacitance Tolerance         | ±20% at 120Hz, 20°C                                                                                                                                                                                                         |                                                                            |
| Leakage Current               | $I \leq 3\sqrt{CV}(\mu A)$ (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 to 420      450    |
|                               | tan δ (MAX.)                                                                                                                                                                                                                | 0.50      0.40      0.35      0.30      0.25      0.20      0.15      0.20 |
| Stability at Low Temperature  | Measurement frequency : 120Hz                                                                                                                                                                                               |                                                                            |
|                               | Rated voltage (V)                                                                                                                                                                                                           | 16 to 100      160 to 250      315 to 450                                  |
|                               | Impedance ratio                                                                                                                                                                                                             | Z - 25°C / Z + 20°C      4      3      8                                   |
|                               | ZT/Z20 (MAX.)                                                                                                                                                                                                               | 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 105°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                              |
|                               | Leakage current                                                                                                                                                                                                             | Less than or equal to the initial specified value                          |
| Shelf Life                    | After storing the capacitors under no load at 105°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 characteristic 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



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

## Type numbering system (Example : 200V 680μF)



## Frequency coefficient of rated ripple current

| Frequency (Hz) | 50          | 60   | 120  | 300  | 1k   | 10k  | 50k or more |
|----------------|-------------|------|------|------|------|------|-------------|
| Coeff.         | 16 to 100V  | 0.88 | 0.90 | 1.00 | 1.07 | 1.15 | 1.15        |
|                | 160 to 250V | 0.81 | 0.85 | 1.00 | 1.17 | 1.32 | 1.50        |
|                | 315 to 450V | 0.77 | 0.82 | 1.00 | 1.16 | 1.30 | 1.43        |

Minimum order quantity : 50pcs.

• Dimension table in next page.

## ■Dimensions

| 16V (1C)     |                  |                      |                            |              |
|--------------|------------------|----------------------|----------------------------|--------------|
| Cap.<br>(μF) | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 6800         | 22 × 25          | 1750                 | 0.98                       | LGU1C682MELZ |
| 8200         | 22 × 30          | 2000                 | 1.08                       | LGU1C822MELZ |
| 10000        | 22 × 30          | 2100                 | 1.20                       | LGU1C103MELZ |
|              | 25 × 25          | 2050                 | 1.20                       | LGU1C103MELA |
| 12000        | 22 × 35          | 2310                 | 1.31                       | LGU1C123MELZ |
|              | 25 × 30          | 2300                 | 1.31                       | LGU1C123MELA |
|              | 30 × 25          | 2380                 | 1.31                       | LGU1C123MELB |
| 15000        | 22 × 40          | 2680                 | 1.46                       | LGU1C153MELZ |
|              | 25 × 35          | 2680                 | 1.46                       | LGU1C153MELA |
|              | 30 × 30          | 2570                 | 1.46                       | LGU1C153MELB |
| 18000        | 22 × 45          | 2980                 | 1.60                       | LGU1C183MELZ |
|              | 25 × 40          | 3160                 | 1.60                       | LGU1C183MELA |
|              | 30 × 30          | 3000                 | 1.60                       | LGU1C183MELB |
| 22000        | 25 × 45          | 3400                 | 1.77                       | LGU1C223MELA |
|              | 30 × 35          | 3390                 | 1.77                       | LGU1C223MELB |
|              | 35 × 30          | 3250                 | 1.77                       | LGU1C223MELC |
| 27000        | 25 × 50          | 3850                 | 1.97                       | LGU1C273MELA |
|              | 30 × 40          | 3830                 | 1.97                       | LGU1C273MELB |
|              | 35 × 30          | 3740                 | 1.97                       | LGU1C273MELC |
| 33000        | 30 × 45          | 4300                 | 2.17                       | LGU1C333MELB |
|              | 35 × 35          | 4270                 | 2.17                       | LGU1C333MELC |
| 39000        | 30 × 50          | 4810                 | 2.36                       | LGU1C393MELB |
|              | 35 × 40          | 4800                 | 2.36                       | LGU1C393MELC |
| 47000        | 35 × 45          | 5530                 | 2.60                       | LGU1C473MELC |

| 25V (1E)     |                  |                      |                            |              |
|--------------|------------------|----------------------|----------------------------|--------------|
| Cap.<br>(μF) | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 4700         | 22 × 25          | 1610                 | 1.02                       | LGU1E472MELZ |
| 5600         | 22 × 30          | 1800                 | 1.12                       | LGU1E562MELZ |
| 6800         | 22 × 30          | 1910                 | 1.23                       | LGU1E682MELZ |
|              | 25 × 25          | 1910                 | 1.23                       | LGU1E682MELA |
| 8200         | 22 × 35          | 2140                 | 1.35                       | LGU1E822MELZ |
|              | 25 × 30          | 2340                 | 1.35                       | LGU1E822MELA |
|              | 30 × 25          | 2250                 | 1.35                       | LGU1E822MELB |
| 10000        | 22 × 40          | 2650                 | 1.50                       | LGU1E103MELZ |
|              | 25 × 35          | 2610                 | 1.50                       | LGU1E103MELA |
|              | 30 × 30          | 2610                 | 1.50                       | LGU1E103MELB |
| 12000        | 22 × 45          | 2690                 | 1.64                       | LGU1E123MELZ |
|              | 25 × 40          | 2810                 | 1.64                       | LGU1E123MELA |
|              | 30 × 30          | 2740                 | 1.64                       | LGU1E123MELB |
| 15000        | 25 × 45          | 3270                 | 1.83                       | LGU1E153MELA |
|              | 30 × 35          | 3130                 | 1.83                       | LGU1E153MELB |
|              | 35 × 30          | 3260                 | 1.83                       | LGU1E153MELC |
| 18000        | 25 × 50          | 3540                 | 2.01                       | LGU1E183MELA |
|              | 30 × 40          | 3560                 | 2.01                       | LGU1E183MELB |
|              | 35 × 35          | 3840                 | 2.01                       | LGU1E183MELC |
| 22000        | 30 × 45          | 4240                 | 2.22                       | LGU1E223MELB |
|              | 35 × 35          | 3960                 | 2.22                       | LGU1E223MELC |
| 27000        | 35 × 45          | 4750                 | 2.46                       | LGU1E273MELC |
| 33000        | 35 × 50          | 5500                 | 2.72                       | LGU1E333MELC |

| 35V (1V)     |                  |                      |                            |              |
|--------------|------------------|----------------------|----------------------------|--------------|
| Cap.<br>(μF) | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 3300         | 22 × 25          | 1450                 | 1.01                       | LGU1V332MELZ |
| 3900         | 22 × 30          | 1690                 | 1.10                       | LGU1V392MELZ |
| 4700         | 22 × 35          | 2020                 | 1.21                       | LGU1V472MELZ |
|              | 25 × 25          | 1780                 | 1.21                       | LGU1V472MELA |
| 5600         | 22 × 35          | 2130                 | 1.32                       | LGU1V562MELZ |
|              | 25 × 30          | 2040                 | 1.32                       | LGU1V562MELA |
|              | 30 × 25          | 2120                 | 1.32                       | LGU1V562MELB |
| 6800         | 22 × 40          | 2410                 | 1.46                       | LGU1V682MELZ |
|              | 25 × 35          | 2310                 | 1.46                       | LGU1V682MELA |
|              | 30 × 25          | 2310                 | 1.46                       | LGU1V682MELB |
| 8200         | 22 × 50          | 2850                 | 1.60                       | LGU1V822MELZ |
|              | 25 × 40          | 2730                 | 1.60                       | LGU1V822MELA |
|              | 30 × 30          | 2750                 | 1.60                       | LGU1V822MELB |
| 10000        | 25 × 45          | 3050                 | 1.77                       | LGU1V103MELA |
|              | 30 × 35          | 3050                 | 1.77                       | LGU1V103MELB |
| 12000        | 25 × 50          | 3370                 | 1.94                       | LGU1V123MELA |
|              | 30 × 40          | 3280                 | 1.94                       | LGU1V123MELB |
|              | 35 × 30          | 3200                 | 1.94                       | LGU1V123MELC |
| 15000        | 30 × 45          | 3740                 | 2.17                       | LGU1V153MELB |
|              | 35 × 35          | 3690                 | 2.17                       | LGU1V153MELC |
| 18000        | 35 × 40          | 4370                 | 2.38                       | LGU1V183MELC |
| 22000        | 35 × 50          | 4920                 | 2.63                       | LGU1V223MELC |

| 50V (1H)     |                  |                      |                            |              |
|--------------|------------------|----------------------|----------------------------|--------------|
| Cap.<br>(μF) | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 1800         | 22 × 25          | 1340                 | 0.90                       | LGU1H182MELZ |
| 2700         | 22 × 30          | 1700                 | 1.10                       | LGU1H272MELZ |
|              | 25 × 25          | 1700                 | 1.10                       | LGU1H272MELA |
| 3300         | 22 × 35          | 1980                 | 1.21                       | LGU1H332MELZ |
|              | 25 × 30          | 2000                 | 1.21                       | LGU1H332MELA |
| 3900         | 22 × 40          | 2250                 | 1.32                       | LGU1H392MELZ |
|              | 25 × 30          | 2280                 | 1.32                       | LGU1H392MELA |
|              | 30 × 25          | 2220                 | 1.32                       | LGU1H392MELB |
| 4700         | 22 × 45          | 2560                 | 1.45                       | LGU1H472MELZ |
|              | 25 × 35          | 2610                 | 1.45                       | LGU1H472MELA |
|              | 30 × 30          | 2580                 | 1.45                       | LGU1H472MELB |
| 5600         | 22 × 50          | 2890                 | 1.58                       | LGU1H562MELZ |
|              | 25 × 40          | 2810                 | 1.58                       | LGU1H562MELA |
|              | 30 × 30          | 2950                 | 1.58                       | LGU1H562MELB |
| 6800         | 25 × 45          | 3370                 | 1.74                       | LGU1H682MELA |
|              | 30 × 35          | 3390                 | 1.74                       | LGU1H682MELB |
|              | 35 × 30          | 3310                 | 1.74                       | LGU1H682MELC |
| 8200         | 30 × 40          | 3710                 | 1.92                       | LGU1H822MELB |
|              | 35 × 35          | 3660                 | 1.92                       | LGU1H822MELC |
| 10000        | 30 × 50          | 4090                 | 2.12                       | LGU1H103MELB |
|              | 35 × 40          | 4070                 | 2.12                       | LGU1H103MELC |
| 12000        | 35 × 45          | 4560                 | 2.32                       | LGU1H123MELC |
| 15000        | 35 × 50          | 4770                 | 2.59                       | LGU1H153MELC |

Rated ripple current (mA<sub>rms</sub>) at 105°C 120Hz

## ■Dimensions

| 63V (1J)           |                         |                      |                            |              |
|--------------------|-------------------------|----------------------|----------------------------|--------------|
| Cap.<br>( $\mu$ F) | Size<br>$\phi$ D×L (mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 1200               | 22 × 25                 | 1250                 | 0.82                       | LGU1J122MELZ |
| 1500               | 22 × 30                 | 1470                 | 0.92                       | LGU1J152MELZ |
|                    | 25 × 25                 | 1440                 | 0.92                       | LGU1J152MELA |
| 1800               | 22 × 30                 | 1580                 | 1.01                       | LGU1J182MELZ |
|                    | 25 × 25                 | 1520                 | 1.01                       | LGU1J182MELA |
| 2200               | 22 × 35                 | 1820                 | 1.11                       | LGU1J222MELZ |
|                    | 25 × 30                 | 1750                 | 1.11                       | LGU1J222MELA |
| 2700               | 22 × 40                 | 2070                 | 1.23                       | LGU1J272MELZ |
|                    | 25 × 35                 | 2110                 | 1.23                       | LGU1J272MELA |
|                    | 30 × 25                 | 1930                 | 1.23                       | LGU1J272MELB |
| 3300               | 22 × 45                 | 2330                 | 1.36                       | LGU1J332MELZ |
|                    | 25 × 35                 | 2270                 | 1.36                       | LGU1J332MELA |
|                    | 30 × 30                 | 2240                 | 1.36                       | LGU1J332MELB |
| 3900               | 25 × 40                 | 2540                 | 1.48                       | LGU1J392MELA |
|                    | 30 × 35                 | 2550                 | 1.48                       | LGU1J392MELB |
| 4700               | 25 × 50                 | 2970                 | 1.63                       | LGU1J472MELA |
|                    | 30 × 40                 | 2900                 | 1.63                       | LGU1J472MELB |
|                    | 35 × 30                 | 2830                 | 1.63                       | LGU1J472MELC |
| 5600               | 30 × 40                 | 3280                 | 1.78                       | LGU1J562MELB |
|                    | 35 × 35                 | 3240                 | 1.78                       | LGU1J562MELC |
| 6800               | 30 × 50                 | 3730                 | 1.96                       | LGU1J682MELB |
|                    | 35 × 40                 | 3710                 | 1.96                       | LGU1J682MELC |
| 8200               | 35 × 45                 | 4160                 | 2.15                       | LGU1J822MELC |
| 10000              | 35 × 50                 | 4690                 | 2.38                       | LGU1J103MELC |

| 80V (1K)           |                         |                      |                            |              |
|--------------------|-------------------------|----------------------|----------------------------|--------------|
| Cap.<br>( $\mu$ F) | Size<br>$\phi$ D×L (mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 820                | 22 × 25                 | 1110                 | 0.76                       | LGU1K821MELZ |
| 1000               | 22 × 25                 | 1290                 | 0.84                       | LGU1K102MELZ |
| 1200               | 22 × 30                 | 1440                 | 0.92                       | LGU1K122MELZ |
|                    | 25 × 25                 | 1390                 | 0.92                       | LGU1K122MELA |
| 1500               | 22 × 30                 | 1610                 | 1.03                       | LGU1K152MELZ |
|                    | 25 × 25                 | 1620                 | 1.03                       | LGU1K152MELA |
| 1800               | 22 × 35                 | 1830                 | 1.13                       | LGU1K182MELZ |
|                    | 25 × 30                 | 1860                 | 1.13                       | LGU1K182MELA |
|                    | 30 × 25                 | 1810                 | 1.13                       | LGU1K182MELB |
| 2200               | 22 × 40                 | 2090                 | 1.25                       | LGU1K222MELZ |
|                    | 25 × 35                 | 2010                 | 1.25                       | LGU1K222MELA |
|                    | 30 × 25                 | 2100                 | 1.25                       | LGU1K222MELB |
| 2700               | 25 × 40                 | 2430                 | 1.39                       | LGU1K272MELA |
|                    | 30 × 30                 | 2430                 | 1.39                       | LGU1K272MELB |
| 3300               | 25 × 45                 | 2760                 | 1.54                       | LGU1K332MELA |
|                    | 30 × 35                 | 2780                 | 1.54                       | LGU1K332MELB |
|                    | 35 × 30                 | 2710                 | 1.54                       | LGU1K332MELC |
| 3900               | 25 × 50                 | 2920                 | 1.67                       | LGU1K392MELA |
|                    | 30 × 40                 | 3120                 | 1.67                       | LGU1K392MELB |
|                    | 35 × 30                 | 3070                 | 1.67                       | LGU1K392MELC |
| 4700               | 30 × 45                 | 3520                 | 1.83                       | LGU1K472MELB |
|                    | 35 × 35                 | 3500                 | 1.83                       | LGU1K472MELC |
| 5600               | 30 × 50                 | 3800                 | 2.00                       | LGU1K562MELB |
|                    | 35 × 40                 | 3870                 | 2.00                       | LGU1K562MELC |
| 6800               | 35 × 45                 | 4190                 | 2.21                       | LGU1K682MELC |

| 100V (2A)          |                         |                      |                            |              |
|--------------------|-------------------------|----------------------|----------------------------|--------------|
| Cap.<br>( $\mu$ F) | Size<br>$\phi$ D×L (mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 560                | 22 × 25                 | 1070                 | 0.70                       | LGU2A561MELZ |
| 820                | 22 × 30                 | 1350                 | 0.85                       | LGU2A821MELZ |
|                    | 25 × 25                 | 1350                 | 0.85                       | LGU2A821MELA |
| 1000               | 22 × 30                 | 1540                 | 0.94                       | LGU2A102MELZ |
|                    | 25 × 30                 | 1560                 | 0.94                       | LGU2A102MELA |
| 1200               | 22 × 40                 | 1740                 | 1.03                       | LGU2A122MELZ |
|                    | 25 × 30                 | 1760                 | 1.03                       | LGU2A122MELA |
|                    | 30 × 25                 | 1710                 | 1.03                       | LGU2A122MELB |
| 1500               | 22 × 45                 | 1990                 | 1.16                       | LGU2A152MELZ |
|                    | 25 × 35                 | 2030                 | 1.16                       | LGU2A152MELA |
|                    | 30 × 30                 | 2000                 | 1.16                       | LGU2A152MELB |
| 1800               | 25 × 40                 | 2280                 | 1.27                       | LGU2A182MELA |
|                    | 30 × 35                 | 2270                 | 1.27                       | LGU2A182MELB |
| 2200               | 25 × 50                 | 2570                 | 1.40                       | LGU2A222MELA |
|                    | 30 × 35                 | 2590                 | 1.40                       | LGU2A222MELB |
|                    | 35 × 30                 | 2520                 | 1.40                       | LGU2A222MELC |
| 2700               | 30 × 45                 | 2940                 | 1.55                       | LGU2A272MELB |
|                    | 35 × 35                 | 2900                 | 1.55                       | LGU2A272MELC |
| 3300               | 30 × 50                 | 3320                 | 1.72                       | LGU2A332MELB |
|                    | 35 × 40                 | 3310                 | 1.72                       | LGU2A332MELC |
| 3900               | 35 × 45                 | 3690                 | 1.87                       | LGU2A392MELC |
| 4700               | 35 × 50                 | 4140                 | 2.05                       | LGU2A472MELC |

| 160V (2C)       |                         |                      |                            |              |
|-----------------|-------------------------|----------------------|----------------------------|--------------|
| Cap. ( $\mu$ F) | Size<br>$\phi$ D×L (mm) | Rated ripple<br>(mA) | Leakage<br>Current<br>(mA) | Code         |
| 270             | 20 × 25                 | 1100                 | 0.62                       | LGU2C271MELZ |
| 330             | 20 × 30                 | 1200                 | 0.68                       | LGU2C331MELZ |
| 390             | 20 × 30                 | 1300                 | 0.74                       | LGU2C391MELZ |
|                 | 22 × 25                 | 1300                 | 0.74                       | LGU2C391MELB |
| 470             | 20 × 35                 | 1340                 | 0.82                       | LGU2C471MELZ |
|                 | 22 × 30                 | 1550                 | 0.82                       | LGU2C471MELB |
|                 | 25 × 25                 | 1550                 | 0.82                       | LGU2C471MELA |
| 560             | 20 × 40                 | 1500                 | 0.89                       | LGU2C561MELZ |
|                 | 22 × 35                 | 1670                 | 0.89                       | LGU2C561MELB |
|                 | 25 × 30                 | 1670                 | 0.89                       | LGU2C561MELA |
|                 | 30 × 25                 | 1670                 | 0.89                       | LGU2C561MELC |
| 680             | 20 × 45                 | 1700                 | 0.98                       | LGU2C681MELZ |
|                 | 22 × 40                 | 1820                 | 0.98                       | LGU2C681MELB |
|                 | 25 × 30                 | 1820                 | 0.98                       | LGU2C681MELA |
|                 | 30 × 25                 | 1820                 | 0.98                       | LGU2C681MELC |
| 820             | 22 × 45                 | 2040                 | 1.08                       | LGU2C821MELZ |
|                 | 25 × 35                 | 2040                 | 1.08                       | LGU2C821MELB |
|                 | 30 × 30                 | 2040                 | 1.08                       | LGU2C821MELA |
|                 | 35 × 25                 | 2040                 | 1.08                       | LGU2C821MELC |
| 1000            | 22 × 50                 | 2250                 | 1.20                       | LGU2C102MELZ |
|                 | 25 × 40                 | 2250                 | 1.20                       | LGU2C102MELA |
|                 | 30 × 30                 | 2250                 | 1.20                       | LGU2C102MELB |
|                 | 35 × 25                 | 2250                 | 1.20                       | LGU2C102MELC |
| 1200            | 25 × 45                 | 2490                 | 1.31                       | LGU2C122MELA |
|                 | 30 × 35                 | 2490                 | 1.31                       | LGU2C122MELB |
|                 | 35 × 30                 | 2490                 | 1.31                       | LGU2C122MELC |
| 1500            | 30 × 40                 | 2840                 | 1.46                       | LGU2C152MELB |
|                 | 35 × 30                 | 2840                 | 1.46                       | LGU2C152MELC |
| 1800            | 30 × 45                 | 3320                 | 1.60                       | LGU2C182MELB |
|                 | 35 × 35                 | 3000                 | 1.60                       | LGU2C182MELC |
| 2200            | 35 × 45                 | 3500                 | 1.77                       | LGU2C222MELC |
| 2700            | 35 × 50                 | 4000                 | 1.97                       | LGU2C272MELC |

Rated ripple current (mA<sub>rms</sub>) at 105°C 120Hz

## ■ Dimensions

| 180V (2Z) |                   |                      |                         |              |
|-----------|-------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L (mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 220       | 20 × 25           | 1000                 | 0.59                    | LGU2Z221MELY |
| 270       | 20 × 30           | 1100                 | 0.66                    | LGU2Z271MELY |
| 330       | 20 × 30           | 1200                 | 0.73                    | LGU2Z331MELY |
|           | 22 × 25           | 1200                 | 0.73                    | LGU2Z331MELZ |
| 390       | 20 × 35           | 1300                 | 0.79                    | LGU2Z391MELY |
|           | 22 × 30           | 1350                 | 0.79                    | LGU2Z391MELZ |
|           | 25 × 25           | 1350                 | 0.79                    | LGU2Z391MELA |
| 470       | 20 × 40           | 1400                 | 0.87                    | LGU2Z471MELY |
|           | 22 × 35           | 1500                 | 0.87                    | LGU2Z471MELZ |
|           | 25 × 30           | 1500                 | 0.87                    | LGU2Z471MELA |
|           | 30 × 25           | 1500                 | 0.87                    | LGU2Z471MELB |
| 560       | 20 × 45           | 1550                 | 0.95                    | LGU2Z561MELY |
|           | 22 × 40           | 1670                 | 0.95                    | LGU2Z561MELZ |
|           | 25 × 30           | 1670                 | 0.95                    | LGU2Z561MELA |
|           | 30 × 25           | 1670                 | 0.95                    | LGU2Z561MELB |
| 680       | 22 × 45           | 1780                 | 1.04                    | LGU2Z681MELZ |
|           | 25 × 35           | 1780                 | 1.04                    | LGU2Z681MELA |
|           | 30 × 30           | 1780                 | 1.04                    | LGU2Z681MELB |
|           | 35 × 25           | 1780                 | 1.04                    | LGU2Z681MELC |
| 820       | 22 × 50           | 2040                 | 1.15                    | LGU2Z821MELZ |
|           | 25 × 40           | 2040                 | 1.15                    | LGU2Z821MELA |
|           | 30 × 30           | 2040                 | 1.15                    | LGU2Z821MELB |
|           | 35 × 25           | 2040                 | 1.15                    | LGU2Z821MELC |
| 1000      | 25 × 45           | 2300                 | 1.27                    | LGU2Z102MELA |
|           | 30 × 35           | 2300                 | 1.27                    | LGU2Z102MELB |
|           | 35 × 30           | 2300                 | 1.27                    | LGU2Z102MELC |
| 1200      | 25 × 50           | 2550                 | 1.39                    | LGU2Z122MELA |
|           | 30 × 40           | 2550                 | 1.39                    | LGU2Z122MELB |
|           | 35 × 30           | 2550                 | 1.39                    | LGU2Z122MELC |
| 1500      | 30 × 45           | 2900                 | 1.55                    | LGU2Z152MELB |
|           | 35 × 35           | 2900                 | 1.55                    | LGU2Z152MELC |
| 1800      | 35 × 45           | 3300                 | 1.70                    | LGU2Z182MELC |
| 2200      | 35 × 50           | 3650                 | 1.88                    | LGU2Z222MELC |

| 200V (2D) |                   |                      |                         |              |
|-----------|-------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L (mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 220       | 20 × 25           | 1000                 | 0.62                    | LGU2D221MELY |
| 270       | 20 × 30           | 1100                 | 0.69                    | LGU2D271MELY |
|           | 22 × 25           | 1100                 | 0.69                    | LGU2D271MELZ |
| 330       | 20 × 35           | 1200                 | 0.77                    | LGU2D331MELY |
|           | 22 × 30           | 1250                 | 0.77                    | LGU2D331MELZ |
|           | 25 × 25           | 1250                 | 0.77                    | LGU2D331MELA |
| 390       | 20 × 40           | 1310                 | 0.83                    | LGU2D391MELY |
|           | 22 × 30           | 1350                 | 0.83                    | LGU2D391MELZ |
|           | 25 × 25           | 1350                 | 0.83                    | LGU2D391MELA |
| 470       | 20 × 45           | 1450                 | 0.91                    | LGU2D471MELY |
|           | 22 × 35           | 1500                 | 0.91                    | LGU2D471MELZ |
|           | 25 × 30           | 1500                 | 0.91                    | LGU2D471MELA |
|           | 30 × 25           | 1500                 | 0.91                    | LGU2D471MELB |
| 560       | 20 × 50           | 1580                 | 1.00                    | LGU2D561MELY |
|           | 22 × 40           | 1670                 | 1.00                    | LGU2D561MELZ |
|           | 25 × 30           | 1670                 | 1.00                    | LGU2D561MELA |
|           | 30 × 25           | 1670                 | 1.00                    | LGU2D561MELB |
| 680       | 22 × 45           | 1780                 | 1.10                    | LGU2D681MELZ |
|           | 25 × 35           | 1780                 | 1.10                    | LGU2D681MELA |
|           | 30 × 30           | 1780                 | 1.10                    | LGU2D681MELB |
|           | 35 × 25           | 1780                 | 1.10                    | LGU2D681MELC |
| 820       | 25 × 45           | 2040                 | 1.21                    | LGU2D821MELA |
|           | 30 × 30           | 2040                 | 1.21                    | LGU2D821MELB |
|           | 35 × 25           | 2040                 | 1.21                    | LGU2D821MELC |
| 1000      | 25 × 50           | 2300                 | 1.34                    | LGU2D102MELA |
|           | 30 × 35           | 2300                 | 1.34                    | LGU2D102MELB |
|           | 35 × 30           | 2300                 | 1.34                    | LGU2D102MELC |
| 1200      | 30 × 40           | 2650                 | 1.46                    | LGU2D122MELB |
|           | 35 × 35           | 2650                 | 1.46                    | LGU2D122MELC |
| 1500      | 30 × 50           | 3080                 | 1.64                    | LGU2D152MELB |
|           | 35 × 40           | 3080                 | 1.64                    | LGU2D152MELC |
| 1800      | 35 × 45           | 3480                 | 1.80                    | LGU2D182MELC |
| 2200      | 35 × 50           | 3780                 | 1.98                    | LGU2D222MELC |

| 220V (2P) |                   |                      |                         |              |
|-----------|-------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L (mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 180       | 20 × 25           | 900                  | 0.59                    | LGU2P181MELY |
| 220       | 20 × 30           | 1000                 | 0.66                    | LGU2P221MELY |
|           | 22 × 25           | 1000                 | 0.66                    | LGU2P221MELZ |
| 270       | 20 × 35           | 1150                 | 0.73                    | LGU2P271MELY |
|           | 22 × 30           | 1150                 | 0.73                    | LGU2P271MELZ |
| 330       | 20 × 40           | 1250                 | 0.80                    | LGU2P331MELY |
|           | 22 × 35           | 1250                 | 0.80                    | LGU2P331MELZ |
|           | 25 × 25           | 1250                 | 0.80                    | LGU2P331MELA |
| 390       | 20 × 45           | 1400                 | 0.87                    | LGU2P391MELY |
|           | 22 × 35           | 1400                 | 0.87                    | LGU2P391MELZ |
|           | 25 × 30           | 1400                 | 0.87                    | LGU2P391MELA |
| 470       | 20 × 50           | 1450                 | 0.96                    | LGU2P471MELY |
|           | 22 × 40           | 1450                 | 0.96                    | LGU2P471MELZ |
|           | 25 × 35           | 1450                 | 0.96                    | LGU2P471MELA |
|           | 30 × 25           | 1450                 | 0.96                    | LGU2P471MELB |
| 560       | 22 × 45           | 1700                 | 1.05                    | LGU2P561MELZ |
|           | 25 × 40           | 1700                 | 1.05                    | LGU2P561MELA |
|           | 30 × 30           | 1700                 | 1.05                    | LGU2P561MELB |
|           | 25 × 45           | 1780                 | 1.16                    | LGU2P681MELA |
| 680       | 30 × 35           | 1780                 | 1.16                    | LGU2P681MELB |
|           | 35 × 25           | 1780                 | 1.16                    | LGU2P681MELC |
|           | 25 × 50           | 2100                 | 1.27                    | LGU2P821MELA |
| 820       | 30 × 40           | 2100                 | 1.27                    | LGU2P821MELB |
|           | 35 × 30           | 2100                 | 1.27                    | LGU2P821MELC |
| 1000      | 30 × 45           | 2400                 | 1.40                    | LGU2P102MELB |
|           | 35 × 35           | 2400                 | 1.40                    | LGU2P102MELC |
| 1200      | 30 × 50           | 2600                 | 1.54                    | LGU2P122MELB |
|           | 35 × 40           | 2600                 | 1.54                    | LGU2P122MELC |
| 1500      | 35 × 45           | 3000                 | 1.72                    | LGU2P152MELC |

| 250V (2E) |                   |                      |                         |              |
|-----------|-------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L (mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 150       | 20 × 25           | 790                  | 0.58                    | LGU2E151MELY |
| 180       | 20 × 30           | 900                  | 0.63                    | LGU2E181MELY |
|           | 22 × 25           | 1000                 | 0.70                    | LGU2E221MELY |
| 220       | 20 × 30           | 1000                 | 0.70                    | LGU2E221MELZ |
|           | 22 × 25           | 1000                 | 0.70                    | LGU2E221MELZ |
| 270       | 20 × 35           | 1100                 | 0.77                    | LGU2E271MELY |
|           | 22 × 35           | 1180                 | 0.77                    | LGU2E271MELZ |
|           | 25 × 25           | 1180                 | 0.77                    | LGU2E271MELA |
| 330       | 20 × 40           | 1200                 | 0.86                    | LGU2E331MELY |
|           | 22 × 40           | 1300                 | 0.86                    | LGU2E331MELZ |
|           | 25 × 30           | 1300                 | 0.86                    | LGU2E331MELA |
|           | 30 × 25           | 1300                 | 0.86                    | LGU2E331MELB |
| 390       | 20 × 50           | 1450                 | 0.93                    | LGU2E391MELY |
|           | 22 × 45           | 1490                 | 0.93                    | LGU2E391MELZ |
|           | 25 × 35           | 1490                 | 0.93                    | LGU2E391MELA |
|           | 30 × 25           | 1490                 | 0.93                    | LGU2E391MELB |
| 470       | 22 × 50           | 1650                 | 1.02                    | LGU2E471MELZ |
|           | 25 × 40           | 1650                 | 1.02                    | LGU2E471MELA |
|           | 30 × 30           | 1650                 | 1.02                    | LGU2E471MELB |
|           | 35 × 25           | 1650                 | 1.02                    | LGU2E471MELC |
| 560       | 25 × 45           | 1800                 | 1.12                    | LGU2E561MELA |
|           | 30 × 35           | 1800                 | 1.12                    | LGU2E561MELB |
|           | 35 × 25           | 1800                 | 1.12                    | LGU2E561MELC |
| 680       | 25 × 50           | 2000                 | 1.23                    | LGU2E681MELA |
|           | 30 × 40           | 2000                 | 1.23                    | LGU2E681MELB |
|           | 35 × 30           | 2000                 | 1.23                    | LGU2E681MELC |
| 820       | 30 × 45           | 2300                 | 1.35                    | LGU2E821MELB |
|           | 35 × 35           | 2300                 | 1.35                    | LGU2E821MELC |
| 1000      | 30 × 50           | 2470                 | 1.50                    | LGU2E102MELB |
|           | 35 × 40           | 2470                 | 1.50                    | LGU2E102MELC |
| 1200      | 35 × 45           | 2600                 | 1.64                    | LGU2E122MELC |
| 1500      | 35 × 50           | 3000                 | 1.83                    | LGU2E152MELC |

Rated ripple current (mA rms) at 105°C 120Hz

## ■ Dimensions

| 315V (2F) |                  |                      |                         |              |
|-----------|------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 82        | 20 × 25          | 640                  | 0.48                    | LGU2F820MELY |
| 100       | 20 × 30          | 690                  | 0.53                    | LGU2F101MELY |
| 120       | 20 × 30          | 750                  | 0.58                    | LGU2F121MELY |
|           | 22 × 25          | 750                  | 0.58                    | LGU2F121MELZ |
| 150       | 20 × 35          | 820                  | 0.65                    | LGU2F151MELY |
|           | 22 × 30          | 820                  | 0.65                    | LGU2F151MELZ |
|           | 25 × 25          | 820                  | 0.65                    | LGU2F151MELA |
| 180       | 20 × 40          | 900                  | 0.71                    | LGU2F181MELY |
|           | 22 × 35          | 920                  | 0.71                    | LGU2F181MELZ |
|           | 25 × 25          | 920                  | 0.71                    | LGU2F181MELA |
| 220       | 20 × 50          | 1000                 | 0.78                    | LGU2F221MELY |
|           | 22 × 40          | 1040                 | 0.78                    | LGU2F221MELZ |
|           | 25 × 30          | 1040                 | 0.78                    | LGU2F221MELA |
|           | 30 × 25          | 1040                 | 0.78                    | LGU2F221MELB |
| 270       | 22 × 45          | 1160                 | 0.87                    | LGU2F271MELZ |
|           | 25 × 35          | 1160                 | 0.87                    | LGU2F271MELA |
|           | 30 × 25          | 1160                 | 0.87                    | LGU2F271MELB |
| 330       | 22 × 50          | 1330                 | 0.96                    | LGU2F331MELZ |
|           | 25 × 40          | 1330                 | 0.96                    | LGU2F331MELA |
|           | 30 × 30          | 1330                 | 0.96                    | LGU2F331MELB |
|           | 35 × 25          | 1330                 | 0.96                    | LGU2F331MELC |
| 390       | 25 × 45          | 1470                 | 1.05                    | LGU2F391MELA |
|           | 30 × 35          | 1470                 | 1.05                    | LGU2F391MELB |
|           | 35 × 30          | 1470                 | 1.05                    | LGU2F391MELC |
| 470       | 25 × 50          | 1700                 | 1.15                    | LGU2F471MELA |
|           | 30 × 40          | 1700                 | 1.15                    | LGU2F471MELB |
|           | 35 × 30          | 1700                 | 1.15                    | LGU2F471MELC |
| 560       | 30 × 45          | 2050                 | 1.26                    | LGU2F561MELB |
|           | 35 × 35          | 2050                 | 1.26                    | LGU2F561MELC |
| 680       | 30 × 50          | 2170                 | 1.38                    | LGU2F681MELB |
|           | 35 × 40          | 2170                 | 1.38                    | LGU2F681MELC |
| 820       | 35 × 45          | 2200                 | 1.52                    | LGU2F821MELC |

| 400V (2G) |                  |                      |                         |              |
|-----------|------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 56        | 20 × 25          | 510                  | 0.44                    | LGU2G560MELY |
| 68        | 20 × 30          | 560                  | 0.49                    | LGU2G680MELY |
| 82        | 20 × 30          | 640                  | 0.54                    | LGU2G820MELY |
|           | 22 × 25          | 640                  | 0.54                    | LGU2G820MELZ |
| 100       | 20 × 35          | 700                  | 0.60                    | LGU2G101MELY |
|           | 22 × 30          | 700                  | 0.60                    | LGU2G101MELZ |
|           | 25 × 25          | 700                  | 0.60                    | LGU2G101MELA |
| 120       | 20 × 40          | 750                  | 0.65                    | LGU2G121MELY |
|           | 22 × 35          | 750                  | 0.65                    | LGU2G121MELZ |
|           | 25 × 25          | 750                  | 0.65                    | LGU2G121MELA |
| 150       | 20 × 45          | 830                  | 0.73                    | LGU2G151MELY |
|           | 22 × 40          | 880                  | 0.73                    | LGU2G151MELZ |
|           | 25 × 30          | 880                  | 0.73                    | LGU2G151MELA |
|           | 30 × 25          | 880                  | 0.73                    | LGU2G151MELB |
| 180       | 22 × 45          | 980                  | 0.80                    | LGU2G181MELZ |
|           | 25 × 35          | 980                  | 0.80                    | LGU2G181MELA |
|           | 30 × 30          | 980                  | 0.80                    | LGU2G181MELB |
|           | 35 × 25          | 980                  | 0.80                    | LGU2G181MELC |
| 220       | 22 × 50          | 1100                 | 0.88                    | LGU2G221MELZ |
|           | 25 × 40          | 1100                 | 0.88                    | LGU2G221MELA |
|           | 30 × 30          | 1100                 | 0.88                    | LGU2G221MELB |
|           | 35 × 25          | 1100                 | 0.88                    | LGU2G221MELC |
| 270       | 25 × 45          | 1220                 | 0.98                    | LGU2G271MELA |
|           | 30 × 35          | 1220                 | 0.98                    | LGU2G271MELB |
|           | 35 × 30          | 1220                 | 0.98                    | LGU2G271MELC |
| 330       | 25 × 50          | 1440                 | 1.08                    | LGU2G331MELA |
|           | 30 × 40          | 1440                 | 1.08                    | LGU2G331MELB |
|           | 35 × 30          | 1440                 | 1.08                    | LGU2G331MELC |
| 390       | 30 × 45          | 1600                 | 1.18                    | LGU2G391MELB |
|           | 35 × 35          | 1600                 | 1.18                    | LGU2G391MELC |
| 470       | 30 × 50          | 1900                 | 1.30                    | LGU2G471MELB |
|           | 35 × 40          | 1900                 | 1.30                    | LGU2G471MELC |
| 560       | 35 × 45          | 2120                 | 1.41                    | LGU2G561MELC |

| 420V (W6) |                  |                      |                         |              |
|-----------|------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 56        | 20 × 25          | 510                  | 0.46                    | LGUW6560MELY |
| 68        | 20 × 30          | 560                  | 0.50                    | LGUW6680MELY |
| 82        | 20 × 35          | 640                  | 0.55                    | LGUW6820MELY |
|           | 22 × 25          | 640                  | 0.55                    | LGUW6820MELZ |
| 100       | 20 × 35          | 700                  | 0.61                    | LGUW6101MELY |
|           | 22 × 30          | 700                  | 0.61                    | LGUW6101MELZ |
|           | 25 × 25          | 700                  | 0.61                    | LGUW6101MELA |
| 120       | 20 × 40          | 750                  | 0.67                    | LGUW6121MELY |
|           | 22 × 35          | 750                  | 0.67                    | LGUW6121MELZ |
|           | 25 × 30          | 750                  | 0.67                    | LGUW6121MELA |
| 150       | 20 × 50          | 880                  | 0.75                    | LGUW6151MELY |
|           | 22 × 40          | 880                  | 0.75                    | LGUW6151MELZ |
|           | 25 × 35          | 880                  | 0.75                    | LGUW6151MELA |
|           | 30 × 25          | 880                  | 0.75                    | LGUW6151MELB |
| 180       | 22 × 45          | 950                  | 0.82                    | LGUW6181MELZ |
|           | 25 × 35          | 950                  | 0.82                    | LGUW6181MELA |
|           | 30 × 30          | 950                  | 0.82                    | LGUW6181MELB |
| 220       | 22 × 50          | 1100                 | 0.91                    | LGUW6221MELZ |
|           | 25 × 45          | 1100                 | 0.91                    | LGUW6221MELA |
|           | 30 × 35          | 1100                 | 0.91                    | LGUW6221MELB |
|           | 35 × 25          | 1100                 | 0.91                    | LGUW6221MELC |
| 270       | 25 × 50          | 1220                 | 1.01                    | LGUW6271MELA |
|           | 30 × 40          | 1220                 | 1.01                    | LGUW6271MELB |
|           | 35 × 30          | 1220                 | 1.01                    | LGUW6271MELC |
| 330       | 30 × 45          | 1450                 | 1.11                    | LGUW6331MELB |
|           | 35 × 35          | 1450                 | 1.11                    | LGUW6331MELC |
| 390       | 30 × 50          | 1550                 | 1.21                    | LGUW6391MELB |
|           | 35 × 40          | 1550                 | 1.21                    | LGUW6391MELC |
| 470       | 35 × 45          | 1900                 | 1.33                    | LGUW6471MELC |
| 560       | 35 × 50          | 2150                 | 1.45                    | LGUW6561MELC |

| 450V (2W) |                  |                      |                         |              |
|-----------|------------------|----------------------|-------------------------|--------------|
| Cap.(μF)  | Size<br>φD×L(mm) | Rated ripple<br>(mA) | Leakage Current<br>(mA) | Code         |
| 47        | 20 × 25          | 390                  | 0.43                    | LGU2W470MELY |
| 56        | 20 × 30          | 510                  | 0.47                    | LGU2W560MELY |
| 68        | 20 × 35          | 560                  | 0.52                    | LGU2W680MELY |
|           | 20 × 35          | 640                  | 0.57                    | LGU2W820MELY |
| 82        | 22 × 30          | 640                  | 0.57                    | LGU2W820MELZ |
|           | 25 × 25          | 640                  | 0.57                    | LGU2W820MELA |
|           | 20 × 45          | 690                  | 0.63                    | LGU2W101MELY |
| 100       | 22 × 35          | 690                  | 0.63                    | LGU2W101MELZ |
|           | 25 × 30          | 690                  | 0.63                    | LGU2W101MELA |
| 120       | 20 × 50          | 750                  | 0.69                    | LGU2W121MELY |
|           | 22 × 40          | 800                  | 0.69                    | LGU2W121MELZ |
|           | 25 × 30          | 800                  | 0.69                    | LGU2W121MELA |
|           | 30 × 25          | 800                  | 0.69                    | LGU2W121MELB |
| 150       | 22 × 45          | 880                  | 0.77                    | LGU2W151MELZ |
|           | 25 × 35          | 880                  | 0.77                    | LGU2W151MELA |
|           | 30 × 30          | 880                  | 0.77                    | LGU2W151MELB |
| 180       | 22 × 50          | 1000                 | 0.85                    | LGU2W181MELZ |
|           | 25 × 40          | 1000                 | 0.85                    | LGU2W181MELA |
|           | 30 × 30          | 1000                 | 0.85                    | LGU2W181MELB |
| 220       | 25 × 45          | 1120                 | 0.94                    | LGU2W221MELA |
|           | 30 × 35          | 1120                 | 0.94                    | LGU2W221MELB |
|           | 35 × 30          | 1120                 | 0.94                    | LGU2W221MELC |
| 270       | 30 × 40          | 1280                 | 1.04                    | LGU2W271MELB |
|           | 35 × 35          | 1280                 | 1.04                    | LGU2W271MELC |
| 330       | 30 × 50          | 1450                 | 1.15                    | LGU2W331MELB |
|           | 35 × 40          | 1450                 | 1.15                    | LGU2W331MELC |
| 390       | 35 × 40          | 1500                 | 1.25                    | LGU2W391MELC |
| 470       | 35 × 50          | 1850                 | 1.37                    | LGU2W471MELC |

Rated ripple current (mA<sub>rms</sub>) at 105°C 120Hz

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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