

# ALUMINUM ELECTROLYTIC CAPACITORS

**LG** High temperature and general purpose Series

Upgrade

- Endurance : 105°C 2000 hours, high temperature than LH
- Ideally suitable for using in Switching Power Supplies and other industrial /commercial applications
- Corresponding product to RoHS

High temperature  
LH

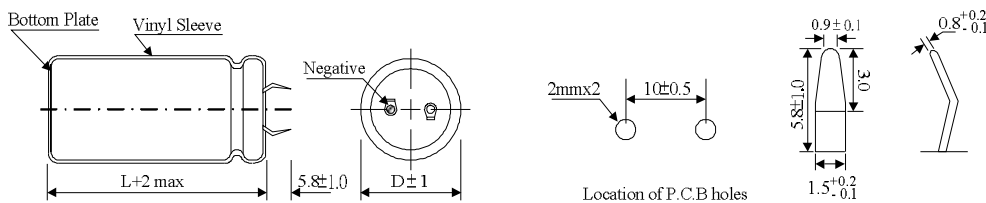
500V LINEUP



## Specifications

| Item   | Characteristics  |   |      |      |       |        |         |         |         |         |      |  |
|--|--|---|------|------|-------|--------|---------|---------|---------|---------|------|--|
| Operating Temperature Range                        | -40 ~ +105°C -25 ~ +105°C  |   |      |      |       |        |         |         |         |         |      |  |
| Rated Voltage Range                                | 6.3 ~ 100VDC 160 ~ 500VDC  |   |      |      |       |        |         |         |         |         |      |  |
| Capacitance Range                                  | 560 ~ 82000µF 47 ~ 2200µF  |   |      |      |       |        |         |         |         |         |      |  |
| Capacitance Tolerance                              | ± 20 % at 120Hz , 20°C   |   |      |      |       |        |         |         |         |         |      |  |
| Leakage Current (MAX)                              | I=0.02CV, L=20m/m, I=0.03CV or 3mA , whichever is smaller. (At 20°C, After 5 minutes)<br>Where, I :Leakage Current (µA) ; C:Nominal Capacitance(µF) ; V:Rated Voltage(v) |   |      |      |       |        |         |         |         |         |      |  |
| Dissipation Factor (MAX)<br>(tanδ) (120Hz ,20°C)   | Rated voltage(V)   | 6.3                                       | 10   | 16   | 25    | 35     | 50      | 63~100  | 160~400 | 420~450 | 500  |  |
|  | tanδ   | 0.60                                      | 0.55 | 0.55 | 0.45  | 0.35   | 0.30    | 0.25    | 0.15    | 0.20    | 0.25 |  |
| Low Temperature Stability<br>Impedance Ratio (MAX) | Measurement frequency : 120Hz  |   |      |      |       |        |         |         |         |         |      |  |
|  | Rated voltage(V)   | 6.3~16                                    | 25   | 35   | 50~63 | 80~100 | 160~400 | 420~450 | 500     |         |      |  |
|  | Z-25°C / Z+20°C  | 4   | 3    | 3    | 2     | 2      | 4       | 8       | 8       |         |      |  |
|  | Z-40°C / Z+20°C  | 15  | 10   | 8    | 6     | 5      |         |         |         |         |      |  |
| Endurance  | After applying rated voltage with rated Ripple current for 2000hrs at 105°C , the capacitor shall meet the following requirements.                                       |   |      |      |       |        |         |         |         |         |      |  |
|  | Capacitance Change   | Within ± 20 % of initial value            |      |      |       |        |         |         |         |         |      |  |
|  | Dissipation Factor   | Not more than 200% of the specified value |      |      |       |        |         |         |         |         |      |  |
|  | Leakage Current  | initial specified value or less           |      |      |       |        |         |         |         |         |      |  |
| Shelf Life   | After placed at 105°C without voltage applied for 1000 hours, the capacitor shall meet the same requirement as Endurance.  |   |      |      |       |        |         |         |         |         |      |  |

## Diagram of Dimensions



## Multiplier for Ripple Current

Frequency coefficient

| Frequency (Hz) | 50   | 60   | 120  | 1K   | 10K  |
|----------------|------|------|------|------|------|
| 6.3~100V       | 0.88 | 0.90 | 1.00 | 1.15 | 1.16 |
| 160~250V       | 0.85 | 0.88 | 1.00 | 1.30 | 1.50 |
| 315~450V       | 0.88 | 0.90 | 1.00 | 1.35 | 1.45 |
| 500V           | 0.70 | 0.72 | 1.00 | 1.30 | 1.41 |

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## ■ Dimensions, Rated Ripple Current

| Capacitance (μF) | Rated (Surge) Voltage |        |         |        |         |        |         |        |
|------------------|-----------------------|--------|---------|--------|---------|--------|---------|--------|
|                  | 6.3 (8)               |        | 10 (13) |        | 16 (20) |        | 25 (32) |        |
|                  | Size                  | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple |
| 4700             |                       |        |         |        |         |        | 22x25   | 1.50   |
| 5600             |                       |        |         |        |         |        | 22x30   | 1.65   |
|                  |                       |        |         |        |         |        | 25x25   | 1.65   |
| 6800             |                       |        |         |        | 22x25   | 1.55   | 22x30   | 1.85   |
|                  |                       |        |         |        |         |        | 25x25   | 1.85   |
| 8200             |                       |        |         |        | 22x30   | 1.70   | 22x35   | 2.10   |
|                  |                       |        |         |        | 25x25   | 1.70   | 25x30   | 2.10   |
|                  |                       |        |         |        |         |        | 30x25   | 2.15   |
| 10000            |                       |        | 25x25   | 1.55   | 22x30   | 1.95   | 22x40   | 2.40   |
|                  |                       |        |         |        | 25x25   | 1.95   | 25x35   | 2.40   |
|                  |                       |        |         |        |         |        | 30x30   | 2.40   |
|                  |                       |        |         |        |         |        | 35x25   | 2.40   |
| 12000            | 22x25                 | 1.55   | 22x30   | 1.75   | 22x35   | 2.20   | 22x45   | 2.70   |
|                  |                       |        |         |        | 25x30   | 2.25   | 25x40   | 2.75   |
|                  |                       |        |         |        | 30x25   | 2.30   | 30x30   | 2.70   |
|                  |                       |        |         |        |         |        | 35x25   | 2.75   |
| 15000            | 22x30                 | 1.70   | 22x30   | 1.90   | 22x40   | 2.55   | 25x45   | 3.15   |
|                  | 25x25                 | 1.70   | 25x25   | 1.90   | 25x35   | 2.60   | 30x35   | 3.15   |
|                  |                       |        |         |        | 30x30   | 2.60   | 35x30   | 3.25   |
|                  |                       |        |         |        | 35x25   | 2.65   |         |        |
| 18000            | 22x30                 | 1.95   | 22x35   | 2.20   | 22x45   | 2.90   | 25x50   | 3.55   |
|                  | 25x25                 | 1.95   | 25x30   | 2.25   | 25x40   | 2.90   | 30x40   | 3.55   |
|                  |                       |        |         |        | 30x30   | 2.90   | 35x35   | 3.55   |
|                  |                       |        |         |        | 35x25   | 2.95   |         |        |
| 22000            | 22x35                 | 2.25   | 22x40   | 2.50   | 25x45   | 3.30   | 30x45   | 4.05   |
|                  | 25x30                 | 2.25   | 25x35   | 2.55   | 30x35   | 3.30   | 35x35   | 3.80   |
|                  | 30x25                 | 2.25   | 30x25   | 2.45   | 35x30   | 3.30   |         |        |
| 27000            | 22x40                 | 2.55   | 22x50   | 2.95   | 25x50   | 3.80   | 35x45   | 4.70   |
|                  | 25x35                 | 2.55   | 25x40   | 2.90   | 30x40   | 3.75   |         |        |
|                  | 30x30                 | 2.55   | 30x30   | 2.85   | 35x30   | 3.75   |         |        |
|                  | 35x25                 | 2.55   | 35x25   | 2.80   |         |        |         |        |
| 33000            | 22x45                 | 2.90   | 25x45   | 3.30   | 30x45   | 4.30   | 35x50   | 5.40   |
|                  | 25x40                 | 2.95   | 30x35   | 3.30   | 35x35   | 4.25   |         |        |
|                  | 30x30                 | 2.90   | 35x30   | 3.30   |         |        |         |        |
|                  | 35x25                 | 2.95   |         |        |         |        |         |        |
| 39000            | 25x50                 | 3.25   | 25x50   | 3.70   | 30x50   | 4.80   | 35x45   | 5.50   |
|                  | 30x35                 | 3.25   | 30x40   | 3.7    | 35x40   | 4.80   |         |        |
|                  | 35x30                 | 3.30   | 35x30   | 3.65   |         |        |         |        |
| 47000            | 25x50                 | 3.70   | 30x45   | 4.20   | 35x45   | 5.45   | 35x50   | 6.00   |
|                  | 30x40                 | 3.70   | 35x35   | 3.80   |         |        |         |        |
| 56000            | 30x45                 | 4.15   | 30x50   | 4.65   | 35x45   | 5.65   |         |        |
|                  | 35x35                 | 4.10   | 35x40   | 4.65   |         |        |         |        |
| 68000            | 30x50                 | 4.70   | 35x50   | 5.50   | 35x50   | 6.20   |         |        |
|                  | 35x40                 | 4.70   |         |        |         |        |         |        |
| 82000            | 35x45                 | 5.30   |         |        |         |        |         |        |

☆ Size: D $\times$  L (mm)    ☆ Ripple Current : A/rms. 105°C, 120Hz

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**High temperature and general purpose Series**

## ■ Dimensions, Rated Ripple Current

| Capacitance<br>( $\mu$ F) | Rated (Surge) Voltage |        |         |        |         |        |          |        |
|---------------------------|-----------------------|--------|---------|--------|---------|--------|----------|--------|
|                           | 35 (44)               |        | 50 (63) |        | 63 (79) |        | 80 (100) |        |
|                           | Size                  | Ripple | Size    | Ripple | Size    | Ripple | Size     | Ripple |
| 820                       |                       |        |         |        |         |        | 22x25    | 1.10   |
| 1000                      |                       |        |         |        |         |        | 22x30    | 1.20   |
|                           |                       |        |         |        |         |        | 25x25    | 1.20   |
| 1200                      |                       |        |         |        | 22x25   | 1.20   | 22x30    | 1.40   |
|                           |                       |        |         |        |         |        | 25x25    | 1.40   |
| 1500                      |                       |        |         |        | 22x30   | 1.30   | 22x35    | 1.60   |
|                           |                       |        |         |        | 25x25   | 1.30   | 25x30    | 1.60   |
|                           |                       |        |         |        |         |        | 30x25    | 1.65   |
| 1800                      |                       |        | 22x25   | 1.30   | 22x30   | 1.50   | 22x40    | 1.80   |
|                           |                       |        |         |        | 25x25   | 1.50   | 25x35    | 1.85   |
|                           |                       |        |         |        |         |        | 30x25    | 1.80   |
| 2200                      |                       |        | 22x30   | 1.55   | 22x35   | 1.70   | 22x45    | 2.05   |
|                           |                       |        | 25x25   | 1.55   | 25x30   | 1.75   | 25x35    | 2.00   |
|                           |                       |        |         |        | 30x25   | 1.80   | 30x30    | 2.05   |
|                           |                       |        |         |        |         |        | 35x25    | 2.05   |
| 2700                      |                       |        | 22x30   | 1.70   | 22x40   | 2.00   | 25x45    | 2.35   |
|                           |                       |        | 25x25   | 1.70   | 25x35   | 2.00   | 30x35    | 2.35   |
|                           |                       |        |         |        | 30x25   | 1.95   | 35x30    | 2.35   |
| 3300                      | 22x25                 | 1.40   | 22x35   | 1.95   | 22x50   | 2.30   | 25x50    | 2.70   |
|                           |                       |        | 25x30   | 1.85   | 25x40   | 2.30   | 30x40    | 2.70   |
|                           |                       |        |         |        | 30x30   | 2.25   | 35x30    | 2.55   |
|                           |                       |        |         |        | 35x25   | 2.10   |          |        |
| 3900                      | 22x30                 | 1.55   | 22x40   | 2.15   | 25x45   | 2.55   | 30x45    | 3.00   |
|                           | 25x25                 | 1.55   | 25x35   | 2.20   | 30x35   | 2.55   | 35x35    | 3.00   |
|                           |                       |        | 30x25   | 1.95   | 35x30   | 2.55   |          |        |
| 4700                      | 22x35                 | 1.80   | 22x45   | 2.45   | 25x50   | 2.85   | 30x50    | 3.40   |
|                           | 25x25                 | 1.80   | 25x40   | 2.45   | 30x40   | 2.85   | 35x40    | 3.40   |
|                           |                       |        | 30x30   | 2.45   | 35x30   | 2.80   |          |        |
|                           |                       |        | 35x25   | 2.50   |         |        |          |        |
| 5600                      | 22x35                 | 1.95   | 22x50   | 2.75   | 30x45   | 3.20   | 35x45    | 3.80   |
|                           | 25x30                 | 1.95   | 25x40   | 2.70   | 35x35   | 3.20   |          |        |
|                           | 30x25                 | 2.00   | 30x35   | 2.75   |         |        |          |        |
|                           |                       |        | 35x30   | 2.75   |         |        |          |        |
| 6800                      | 22x40                 | 2.20   | 25x50   | 3.30   | 30x50   | 3.65   | 35x50    | 3.90   |
|                           | 25x35                 | 2.25   | 30x40   | 3.30   | 35x40   | 3.65   |          |        |
|                           | 30x30                 | 2.30   | 35x30   | 3.25   |         |        |          |        |
|                           | 35x25                 | 2.35   |         |        |         |        |          |        |
| 8200                      | 22x50                 | 2.55   | 30x45   | 3.60   | 35x45   | 3.90   |          |        |
|                           | 25x40                 | 2.50   | 35x35   | 3.55   |         |        |          |        |
|                           | 30x30                 | 2.75   |         |        |         |        |          |        |
|                           | 35x25                 | 2.75   |         |        |         |        |          |        |
| 10000                     | 25x45                 | 2.85   | 30x50   | 4.05   | 35x50   | 4.40   |          |        |
|                           | 30x35                 | 2.90   | 35x40   | 4.00   |         |        |          |        |
|                           | 35x30                 | 2.95   |         |        |         |        |          |        |
| 12000                     | 25x50                 | 3.25   | 35x45   | 4.55   |         |        |          |        |
|                           | 30x40                 | 3.25   |         |        |         |        |          |        |
|                           | 35x30                 | 3.15   |         |        |         |        |          |        |
| 15000                     | 30x45                 | 3.70   |         |        |         |        |          |        |
|                           | 35x35                 | 3.65   |         |        |         |        |          |        |
| 18000                     | 35x40                 | 4.35   |         |        |         |        |          |        |
| 22000                     | 35x50                 | 4.90   |         |        |         |        |          |        |

☆ Size: D $\times$  L (mm)    ☆ Ripple Current : A/rms. 105°C, 120Hz

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High temperature and general purpose  
Series

## ■ Dimensions, Rated Ripple Current

| Capacitance<br>( $\mu$ F) | Rated (Surge) Voltage |        |           |        |           |        |           |        |
|---------------------------|-----------------------|--------|-----------|--------|-----------|--------|-----------|--------|
|                           | 100 (125)             |        | 160 (200) |        | 180 (225) |        | 200 (250) |        |
|                           | Size                  | Ripple | Size      | Ripple | Size      | Ripple | Size      | Ripple |
| 150                       |                       |        |           |        |           |        | 22x20     | 0.65   |
| 180                       |                       |        |           |        | 22x20     | 0.75   | 22x20     | 0.70   |
| 220                       |                       |        | 22x20     | 0.80   | 22x25     | 0.85   | 22x25     | 0.80   |
|                           |                       |        |           |        |           |        | 25x20     | 0.80   |
| 270                       |                       |        | 22x25     | 1.00   | 22x25     | 0.95   | 22x25     | 0.85   |
|                           |                       |        |           |        | 25x20     | 0.90   | 25x25     | 0.85   |
| 330                       |                       |        | 22x25     | 1.20   | 22x25     | 1.20   | 22x30     | 1.20   |
|                           |                       |        | 25x20     | 1.15   | 22x30     | 1.10   | 25x25     | 1.20   |
|                           |                       |        |           |        | 25x25     | 1.10   |           |        |
| 390                       |                       |        | 22x30     | 1.30   | 22x30     | 1.30   | 22x30     | 1.30   |
|                           |                       |        | 25x25     | 1.30   | 25x25     | 1.30   | 22x35     | 1.30   |
|                           |                       |        |           |        |           |        | 25x30     | 1.30   |
|                           |                       |        |           |        |           |        | 30x25     | 1.30   |
| 470                       |                       |        | 22x30     | 1.30   | 22x30     | 1.30   | 22x35     | 1.40   |
|                           |                       |        | 22x35     | 1.40   | 22x35     | 1.35   | 22x40     | 1.40   |
|                           |                       |        | 25x25     | 1.40   | 25x30     | 1.40   | 25x30     | 1.40   |
|                           |                       |        |           |        | 30x25     | 1.40   | 30x25     | 1.50   |
| 560                       | 22x25                 | 1.05   | 22x40     | 1.50   | 22x40     | 1.50   | 22x45     | 1.55   |
|                           |                       |        | 25x30     | 1.50   | 25x35     | 1.55   | 25x35     | 1.55   |
|                           |                       |        | 30x25     | 1.50   | 30x25     | 1.50   | 30x30     | 1.55   |
| 680                       | 22x25                 | 1.20   | 22x45     | 1.70   | 22x45     | 1.70   | 22x50     | 1.75   |
|                           |                       |        | 25x35     | 1.70   | 22x50     | 1.70   | 25x40     | 1.75   |
|                           |                       |        | 30x25     | 1.70   | 25x35     | 1.70   | 30x30     | 1.75   |
|                           |                       |        |           |        | 25x40     | 1.75   | 35x25     | 1.70   |
|                           |                       |        |           |        | 30x30     | 1.70   |           |        |
|                           |                       |        |           |        | 35x25     | 1.70   |           |        |
| 820                       | 22x30                 | 1.30   | 22x50     | 1.95   | 22x50     | 1.95   | 25x50     | 2.05   |
|                           | 25x25                 | 1.33   | 25x40     | 2.00   | 25x40     | 2.00   | 30x35     | 2.00   |
|                           |                       |        | 30x30     | 2.00   | 25x45     | 2.00   | 35x30     | 2.05   |
|                           |                       |        | 35x25     | 1.90   | 30x35     | 2.00   |           |        |
|                           |                       |        |           |        | 35x25     | 1.90   |           |        |
| 1000                      | 22x35                 | 1.50   | 25x45     | 2.20   | 25x45     | 2.20   | 30x40     | 2.30   |
|                           | 25x30                 | 1.50   | 30x35     | 2.20   | 25x50     | 2.20   | 30x45     | 2.30   |
|                           |                       |        | 35x30     | 2.20   | 30x35     | 2.25   | 35x30     | 2.30   |
|                           |                       |        |           |        | 30x40     | 2.25   | 35x35     | 2.30   |
|                           |                       |        |           |        | 35x30     | 2.25   |           |        |
| 1200                      | 22x40                 | 1.70   | 25x50     | 2.45   | 25x50     | 2.45   | 30x50     | 2.60   |
|                           | 25x35                 | 1.70   | 30x40     | 2.45   | 30x40     | 2.45   | 35x40     | 2.65   |
|                           | 30x25                 | 1.70   | 35x30     | 2.45   | 30x45     | 2.50   |           |        |
|                           |                       |        |           |        | 35x35     | 2.50   |           |        |
| 1500                      | 22x45                 | 1.95   | 30x45     | 2.80   | 30x45     | 2.80   | 35x45     | 3.10   |
|                           | 25x40                 | 2.00   | 35x35     | 2.80   | 30x50     | 2.90   |           |        |
|                           | 30x30                 | 1.95   |           |        | 35x40     | 2.90   |           |        |
|                           | 35x25                 | 2.00   |           |        |           |        |           |        |
| 1800                      | 25x45                 | 2.20   | 30x50     | 3.30   | 30x50     | 3.30   | 35x50     | 3.15   |
|                           | 30x35                 | 2.50   | 35x45     | 3.30   | 35x50     | 3.30   |           |        |
|                           | 35x30                 | 2.45   |           |        |           |        |           |        |
| 2200                      | 25x50                 | 2.55   | 35x50     | 3.75   | 35x50     | 3.60   |           |        |
|                           | 30x40                 | 2.70   |           |        |           |        |           |        |
|                           | 35x30                 | 2.55   |           |        |           |        |           |        |
| 2700                      | 30x45                 | 2.90   |           |        |           |        |           |        |
|                           | 35x35                 | 2.85   |           |        |           |        |           |        |
| 3300                      | 30x50                 | 3.25   |           |        |           |        |           |        |
|                           | 35x40                 | 3.25   |           |        |           |        |           |        |
| 3900                      | 35x45                 | 3.70   |           |        |           |        |           |        |
| 4700                      | 35x50                 | 3.80   |           |        |           |        |           |        |

☆ Size: D $\times$  L (mm)    ☆ Ripple Current : A/rms. 105°C, 120Hz

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High temperature and general purpose  
Series

## ■ Dimensions, Rated Ripple Cur

| Capacitance<br>( $\mu$ F) | Rated (Surge) Voltage |        |           |        |           |        |          |        |           |        |
|---------------------------|-----------------------|--------|-----------|--------|-----------|--------|----------|--------|-----------|--------|
|                           | 250 (300)             |        | 350 (400) |        | 400 (450) |        | 420(470) |        | 450 (500) |        |
|                           | Size                  | Ripple | Size      | Ripple | Size      | Ripple | Size     | Ripple | Size      | Ripple |
| 47                        |                       |        |           |        | 22x20     | 0.35   |          |        | 22x25     | 0.38   |
| 56                        |                       |        | 22x20     | 0.40   | 22x20     | 0.40   |          |        | 22x25     | 0.40   |
| 68                        |                       |        | 22x25     | 0.45   | 22x25     | 0.50   |          |        | 22x30     | 0.50   |
|                           |                       |        |           |        | 25x20     | 0.50   |          |        | 25x25     | 0.50   |
| 82                        |                       |        | 22x25     | 0.55   | 22x25     | 0.52   |          |        | 22x30     | 0.52   |
|                           |                       |        | 25x20     | 0.50   | 22x30     | 0.60   |          |        | 22x35     | 0.55   |
|                           |                       |        |           |        | 25x25     | 0.65   |          |        | 25x30     | 0.55   |
|                           |                       |        |           |        |           |        |          |        | 30x25     | 0.55   |
| 100                       |                       |        | 22x30     | 0.70   | 22x30     | 0.60   |          |        | 22x30     | 0.55   |
|                           |                       |        | 25x25     | 0.70   | 22x35     | 0.65   |          |        | 22x40     | 0.65   |
|                           |                       |        |           |        | 25x30     | 0.65   |          |        | 25x30     | 0.60   |
| 120                       |                       |        |           |        |           |        |          |        | 30x25     | 0.65   |
|                           | 22x20                 | 0.60   | 22x35     | 0.75   | 22x30     | 0.62   |          |        | 22x35     | 0.60   |
|                           |                       |        | 25x30     | 0.75   | 22x35     | 0.70   |          |        | 22x45     | 0.70   |
|                           |                       |        | 30x25     | 0.75   | 25x30     | 0.70   |          |        | 25x35     | 0.70   |
|                           |                       |        |           |        | 30x25     | 0.75   |          |        | 30x30     | 0.70   |
| 150                       |                       |        |           |        |           |        |          |        | 35x25     | 0.70   |
|                           | 22x25                 | 0.65   | 22x40     | 0.80   | 22x35     | 0.72   | 22x35    | 0.58   | 22x40     | 0.68   |
|                           |                       |        | 25x30     | 0.80   | 22x40     | 0.80   | 22x40    | 0.65   | 22x50     | 0.80   |
|                           |                       |        | 30x25     | 0.85   | 25x30     | 0.85   | 25x30    | 0.70   | 25x40     | 0.80   |
|                           |                       |        |           |        | 25x35     | 0.85   |          |        | 30x30     | 0.75   |
|                           |                       |        |           |        | 30x30     | 0.85   |          |        | 35x25     | 0.75   |
| 180                       |                       |        |           |        | 35x25     | 0.80   |          |        |           |        |
|                           | 22x25                 | 0.80   | 22x45     | 0.90   | 22x40     | 0.81   | 22x40    | 0.68   | 22x45     | 0.75   |
|                           | 25x20                 | 0.75   | 25x35     | 0.90   | 22x50     | 0.95   | 25x35    | 0.68   | 25x45     | 0.85   |
|                           |                       |        | 30x30     | 0.90   | 25x40     | 0.95   |          |        | 30x35     | 0.85   |
|                           |                       |        |           |        | 30x30     | 0.90   |          |        | 35x30     | 0.85   |
| 220                       | 22x30                 | 0.95   | 22x50     | 1.05   | 25x45     | 1.05   | 25x40    | 0.85   | 22x50     | 0.85   |
|                           | 25x25                 | 0.95   | 25x40     | 1.05   | 30x35     | 1.05   | 25x45    | 0.95   | 25x50     | 1.00   |
|                           |                       |        | 30x30     | 1.00   | 35x30     | 1.10   | 30x40    | 0.95   | 30x40     | 1.00   |
|                           |                       |        | 35x25     | 1.05   |           |        |          |        | 35x30     | 1.00   |
| 270                       | 22x35                 | 1.15   | 25x45     | 1.20   | 25x45     | 1.10   | 25x45    | 1.05   | 25x50     | 1.05   |
|                           | 25x30                 | 1.15   | 30x35     | 1.20   | 25x50     | 1.20   | 30x40    | 1.05   | 30x45     | 1.15   |
|                           | 30x25                 | 1.15   | 35x30     | 1.20   | 30x40     | 1.20   | 35x30    | 1.05   | 35x35     | 1.15   |
|                           |                       |        |           |        | 35x35     | 1.20   |          |        |           |        |
| 330                       | 22x40                 | 1.25   | 30x40     | 1.35   | 25x50     | 1.25   | 25x50    | 1.15   | 30x45     | 1.25   |
|                           | 25x30                 | 1.20   | 35x35     | 1.35   | 30x45     | 1.40   | 30x40    | 1.15   | 30x50     | 1.40   |
|                           | 30x25                 | 1.25   |           |        | 35x35     | 1.35   | 35x35    | 1.15   | 35x40     | 1.40   |
| 390                       | 22x45                 | 1.5    | 30x45     | 1.50   | 30x45     | 1.42   | 30x45    | 1.25   | 30x50     | 1.40   |
|                           | 25x35                 | 1.50   | 35x35     | 1.50   | 30x50     | 1.55   |          |        | 35x45     | 1.55   |
|                           | 30x30                 | 1.50   |           |        | 35x40     | 1.55   |          |        |           |        |
| 470                       | 22x50                 | 1.55   | 35x40     | 1.70   | 30x45     | 1.45   | 30x50    | 1.40   | 35x45     | 1.68   |
|                           | 25x40                 | 1.55   |           |        | 35x40     | 1.65   | 35x40    | 1.35   | 35x50     | 1.70   |
|                           | 30x30                 | 1.55   |           |        | 30x50     | 1.75   |          |        |           |        |
|                           | 35x25                 | 1.55   |           |        | 35x45     | 1.75   |          |        |           |        |
| 560                       | 25x45                 | 1.80   | 35x45     | 1.90   | 35x45     | 1.80   | 35x45    | 1.65   | 35x50     | 1.80   |
|                           | 30x35                 | 1.80   |           |        | 30x60     | 1.90   |          |        | 35x60     | 2.10   |
|                           | 35x30                 | 1.80   |           |        | 35x50     | 1.90   |          |        |           |        |
| 680                       | 25x50                 | 1.95   |           |        | 35x50     | 2.10   |          |        |           |        |
|                           | 30x40                 | 2.00   |           |        | 35x60     | 2.15   |          |        |           |        |
|                           | 35x35                 | 2.00   |           |        |           |        |          |        |           |        |
| 820                       | 30x45                 | 2.15   |           |        |           |        |          |        |           |        |
|                           | 35x35                 | 2.10   |           |        |           |        |          |        |           |        |
| 1000                      | 35x40                 | 2.30   |           |        |           |        |          |        |           |        |
| 1500                      | 35x50                 | 3.63   |           |        |           |        |          |        |           |        |

☆ Size: D $\times$  L (mm) ☆ Ripple Current : A/rms. 105°C, 120Hz

# ALUMINUM ELECTROLYTIC CAPACITORS

# LG

High temperature and general purpose  
Series

## ■ Dimensions, Rated Ripple Current

| Capacitance<br>( $\mu$ F) | Rated (Surge) Voltage |        |
|---------------------------|-----------------------|--------|
|                           | 500 (550)             |        |
|                           | Size                  | Ripple |
| 47                        | 22x25                 | 0.51   |
| 56                        | 22x30                 | 0.58   |
| 68                        | 25x25                 | 0.65   |
| 82                        | 22x35                 | 0.72   |
|                           | 25x30                 | 0.74   |
| 100                       | 22x45                 | 0.83   |
|                           | 30x25                 | 0.82   |
| 120                       | 22x50                 | 0.93   |
|                           | 25x35                 | 0.93   |
|                           | 30x30                 | 0.91   |
| 150                       | 25x45                 | 1.08   |
|                           | 30x35                 | 1.04   |
|                           | 35x25                 | 0.99   |
| 180                       | 25x50                 | 1.20   |
|                           | 30x40                 | 1.17   |
|                           | 35x30                 | 1.10   |
| 220                       | 30x45                 | 1.33   |
|                           | 35x35                 | 1.23   |
| 270                       | 30x50                 | 1.50   |
|                           | 35x40                 | 1.42   |
| 330                       | 35x45                 | 1.60   |
| 390                       | 35x50                 | 1.78   |
| 470                       | 35x60                 | 2.03   |

☆ Size: D $\times$  L (mm) ☆ Ripple Current : A/rms, 105°C, 120Hz