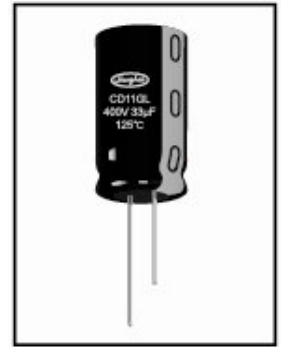
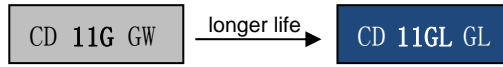


5000h at 125°C

- Load lift of 5000 hours at 125°C
- Suited for ballast and energy-saved lamp application of which high temperature and high reliability are required

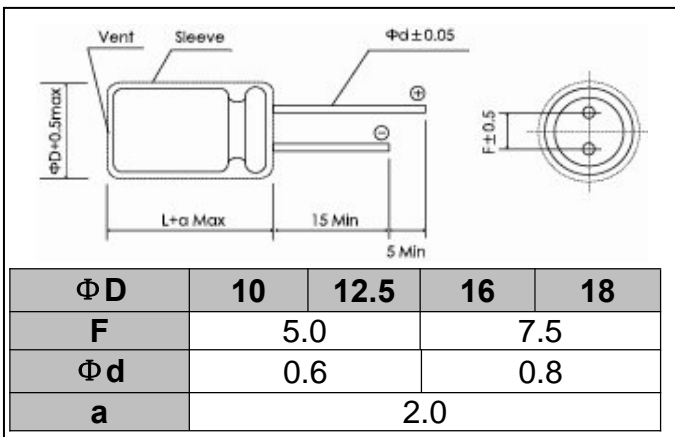


| Items | Characteristics | | | | | | |
|------------------------------------|--|------|------|------------|------|------|------|
| Operating Temperature Range(°C) | -40 ~ +125 | | | -25 ~ +125 | | | |
| Voltage Range (V) | 160 ~ 250 | | | 350 ~ 450 | | | |
| Capacitance Range(μF) | 1 ~ 330 | | | | | | |
| Capacitance Tolerance (20°C,120Hz) | ±20% | | | | | | |
| Leakage Current (μA) | After 1 minutes at 20°C application of rated voltage, leakage current is not more than 0.03CV+70 C:Nominal Capacitance(μF) V:Rated Voltage(V) | | | | | | |
| Dissipation Factor (20°C, 120Hz) | Rated Voltage(V) | 160 | 200 | 250 | 350 | 400 | 450 |
| | Tan δ(max) | 0.12 | 0.12 | 0.12 | 0.15 | 0.15 | 0.15 |

| | Useful Life | | Load Life | Endurance Test | Shelf Life |
|---|---|--|---|---|---|
| Lifetime | 6000h | 80000h | φ 10:4000h φ 12.5 ~18:5000h | 6000h | 500h |
| Leakage Current | Not more than specified value | | Not more than specified value | Not more than specified value | Not more than specified value |
| Capacitance Change | Within ±30% of initial value | | Within ± 25% of initial value | Within ±25% of initial value | Within ±20% of initial value |
| Dissipation Factor | Not more than 300% of specified value | | Not more than 300% of specified value | Not more than 300% of specified value | Not more than 200% of specified value |
| Condition: Applied Voltage Applied Current Applied Temperature | U _R I _R 125°C | U _R 1.4 x I _R 85°C | U _R I _R 125°C | U _R I _R = 0 125°C | U _R = 0 I _R = 0 125°C After test: U _R to be applied for 30min>24h before measurement |

Dimensions

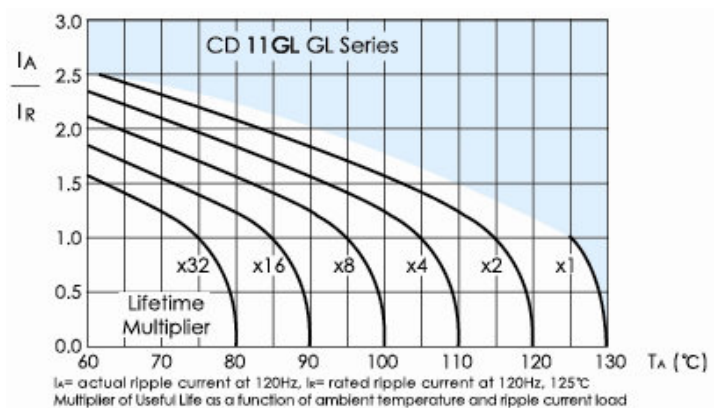
mm



Frequency Coefficient

| Frequency | 50/60Hz | 120Hz | 500Hz | 1kHz | ≥10kHz |
|-------------|---------|-------|-------|------|--------|
| Coefficient | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |

Lifetime Diagram



Temperature Coefficient

| Temperature(°C) | +85 | +105 | +125 |
|-----------------|-----|------|------|
| Coefficient | 2.2 | 1.60 | 1.00 |

Ratings for CD 11GL GL Series

| U _R (Surge Voltage) Code | Rated Capacitance | Max ESR 20°C, 120Hz | Typ ESR 20°C, 120Hz | Rated Ripple Current 125°C, 120Hz | Size ΦD×L | P/N |
|---|-------------------|---------------------------|---------------------------|---|--------------|---------------------|
| (v) | (μF) | (Ω) | (Ω) | (mA _{RMS}) | (mm) | - |
| 160 (200) 2C | 10 | 15.9 | 8.0 | 62 | 10x16 | ECR2CGL100M□□100016 |
| | 22 | 7.2 | 3.6 | 101 | 10x20 | ECR2CGL220M□□100020 |
| | 33 | 4.8 | 2.4 | 139 | 12.5x20 | ECR2CGL330M□□125020 |
| | 47 | 3.4 | 1.7 | 165 | 12.5x20 | ECR2CGL470M□□125020 |
| | 100 | 1.6 | 0.8 | 302 | 16x25 | ECR2CGL101M□□160025 |
| | 220 | 0.7 | 0.4 | 514 | 18x31.5 | ECR2CGL221M□□180031 |
| | 330 | 0.5 | 0.2 | 673 | 18x36 | ECR2CGL331M□□180036 |
| 200 (250) 2D | 10 | 15.9 | 8.0 | 62 | 10x16 | ECR2DGL100M□□100016 |
| | 22 | 7.2 | 3.6 | 101 | 10x20 | ECR2DGL220M□□100020 |
| | 33 | 4.8 | 2.4 | 139 | 12.5x20 | ECR2DGL330M□□125020 |
| | 47 | 3.4 | 1.7 | 165 | 12.5x20 | ECR2DGL470M□□125020 |
| | 100 | 1.6 | 0.8 | 302 | 16x25 | ECR2DGL101M□□160025 |
| | 220 | 0.7 | 0.4 | 514 | 18x31.5 | ECR2DGL221M□□180031 |
| | 330 | 0.5 | 0.2 | 673 | 18x36 | ECR2DGL331M□□180036 |
| 250 (300) 2E | 4.7 | 33.9 | 16.9 | 42 | 10x16 | ECR2EGL4R7M□□100016 |
| | 6.8 | 23.4 | 11.7 | 51 | 10x16 | ECR2EGL6R8M□□100016 |
| | 10 | 15.9 | 8.0 | 68 | 10x20 | ECR2EGL100M□□100020 |
| | 22 | 7.2 | 3.6 | 113 | 12.5x20 | ECR2EGL220M□□125020 |
| | 33 | 4.8 | 2.4 | 153 | 12.5x25 | ECR2EGL330M□□125025 |
| | 47 | 3.4 | 1.7 | 207 | 16x25 | ECR2EGL470M□□160025 |
| | 100 | 1.6 | 0.8 | 346 | 18x31.5 | ECR2EGL101M□□180031 |
| | 220 | 0.7 | 0.4 | 550 | 18x36 | ECR2EGL221M□□180036 |
| 350 (400) 2V | 2.2 | 90.5 | 36.2 | 26 | 10x16 | ECR2VGL2R2M□□100016 |
| | 3.3 | 60.3 | 24.1 | 32 | 10x16 | ECR2VGL3R3M□□100016 |
| | 4.7 | 42.3 | 16.9 | 42 | 10x20 | ECR2VGL4R7M□□100020 |
| | 5.6 | 35.5 | 14.2 | 46 | 10x20 | ECR2VGL5R6M□□100020 |
| | 6.8 | 29.3 | 11.7 | 56 | 12.5x20 | ECR2VGL6R8M□□125020 |
| | 10 | 19.9 | 8.0 | 68 | 12.5x20 | ECR2VGL100M□□125020 |
| | 22 | 9.0 | 3.6 | 112 | 12.5x25 | ECR2VGL220M□□125025 |
| | 33 | 6.0 | 2.4 | 155 | 16x25 | ECR2VGL330M□□160025 |
| | 47 | 4.2 | 1.7 | 201 | 16x31.5 | ECR2VGL470M□□160031 |
| 400 (450) 2G | 2.2 | 90.5 | 36.2 | 26 | 10x16 | ECR2GGL2R2M□□100016 |
| | 3.3 | 60.3 | 24.1 | 32 | 10x16 | ECR2GGL3R3M□□100016 |
| | 4.7 | 42.3 | 16.9 | 42 | 10x20 | ECR2GGL4R7M□□100020 |
| | 5.6 | 35.5 | 14.2 | 46 | 10x20 | ECR2GGL5R6M□□100020 |
| | 6.8 | 29.3 | 11.7 | 56 | 12.5x20 | ECR2GGL6R8M□□125020 |
| | 10 | 19.9 | 8.0 | 68 | 12.5x20 | ECR2GGL100M□□125020 |
| | 22 | 9.0 | 3.6 | 112 | 12.5x25 | ECR2GGL220M□□125025 |
| | 33 | 6.0 | 2.4 | 155 | 16x25 | ECR2GGL330M□□160025 |
| | 47 | 4.2 | 1.7 | 201 | 16x31.5 | ECR2GGL470M□□160031 |
| 450 (500) 2W | 2.2 | 90.5 | 36.2 | 26 | 10x16 | ECR2WGL2R2M□□100016 |
| | 3.3 | 60.3 | 24.1 | 32 | 10x16 | ECR2WGL3R3M□□100016 |
| | 4.7 | 42.3 | 16.9 | 42 | 10x20 | ECR2WGL4R7M□□100020 |
| | 5.6 | 35.5 | 14.2 | 51 | 12.5x20 | ECR2WGL5R6M□□125020 |
| | 6.8 | 29.3 | 11.7 | 56 | 12.5x20 | ECR2WGL6R8M□□125020 |
| | 10 | 19.9 | 8.0 | 75 | 12.5x25 | ECR2WGL100M□□125025 |
| | 22 | 9.0 | 3.6 | 127 | 16x25 | ECR2WGL220M□□160025 |
| | 33 | 6.0 | 2.4 | 168 | 16x31.5 | ECR2WGL330M□□160031 |
| | 47 | 4.2 | 1.7 | 212 | 18x31.5 | ECR2WGL470M□□180031 |

Typical Curves

