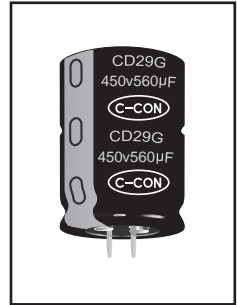


25V~63V: 5000h at 125°C
400V~450V: 3000h at 125°C

- Long Life at High Temperature
- High Ripple Current
- Professional Power Supplies



| Items | Characteristics | |
|-------------------------------------|--|--------------------------------------|
| Operating Temperature Range (°C) | -40 ~ +125 | -25 ~ +125 |
| Voltage Range (V) | 25 ~ 63 | 400、450 |
| Capacitance Range (µF) | 56 ~ 18000 | |
| Capacitance Tolerance (20°C, 120Hz) | ± 20% | |
| Leakage Current (µA) | After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller. C: Nominal Capacitance (µF) V: Rated Voltage (V) | |
| Dissipation Factor (20°C, 120Hz) | Rated Voltage (V) | 25 35 50 63 400 450 |
| | Tan δ (max) | 0.20 0.15 0.10 0.10 0.20 |
| Resistance to vibrations | Condition1: Snap-in type with 3 terminals, the capacitor shall be clamped by its body. Frequency range: 10-2000Hz Amplitude: 0.75mm Acceleration max: 10g Duration: 3x2 hours Condition2: Frequency range: 10-55Hz Amplitude: 0.75mm Duration: 3x4hours | |

| | Useful Life | | Load Life | Endurance Test | Shelf Life | | |
|---|--|-----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Lifetime | 25-63v: 10000h 400-450v: 5000h | ≥300000h | 25-63v: 5000h 400-450v: 3000h | 25-63v: 5000h 400-450v: 2000h | 1000h | 25-63v: 4000h | 25-63v: 10years |
| 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 ± 20% of initial value | Within ± 20% of initial value | Within ± 20% of initial value | | |
| Dissipation Factor | Not more than 300% of specified value | | Not more than 200% of specified value | Not more than 200% 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 $1.4 \times I_R$ 60°C | U_R I_R 125°C | U_R $I_R = 0$ 125°C | $U_R = 0$ $I_R = 0$ 125°C | $U_R = 0$ $I_R = 0$ 105°C | $U_R = 0$ $I_R = 0$ 40°C |
| | After test: U_R to be applied for 30min, >24h before measurement | | | | | | |

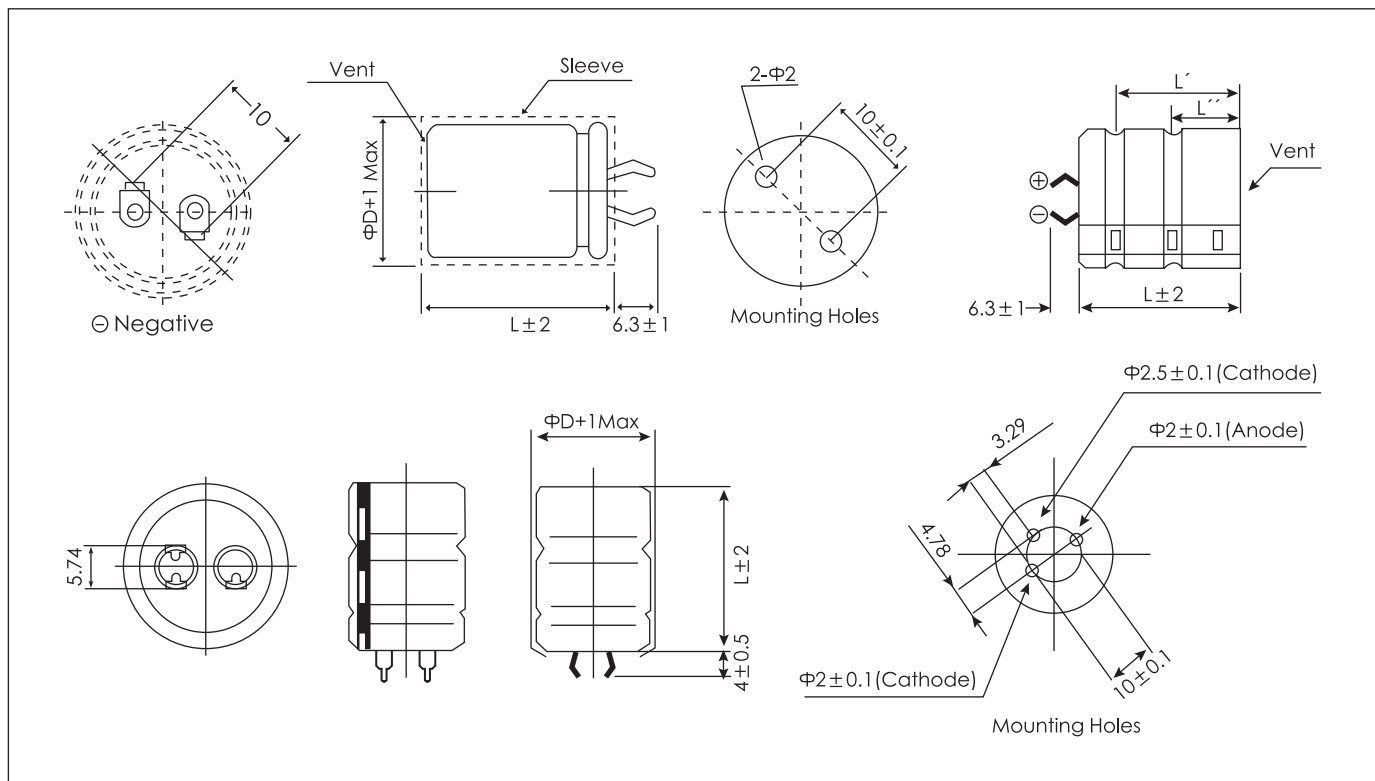
Frequency Coefficient

| Frequency (Hz) | 50/60 | 120 | 300 | 1K | ≥10K |
|----------------|-------|-----|------|------|------|
| 25~63v | 0.56 | 0.7 | 0.83 | 0.92 | 1.00 |
| 400、450v | 0.85 | 1.0 | 1.16 | 1.30 | 1.41 |

Temperature Coefficient

| Temperature(°C) | +60 | +85 | +105 | +125 |
|-----------------|-----|-----|------|------|
| 25~450v | 2.3 | 2.0 | 1.7 | 1.0 |

Dimensions



Ratings for CD 29G Series

| U_r (Surge Voltage) Code | Rated Capacitance | Max ESR ^① 20°C, 120Hz | Max ESR 20°C, 10kHz | Rated Ripple Current 125°C, 10kHz | Size $\Phi D \times L$ |
|----------------------------------|-------------------|--|---------------------------|---|---------------------------|
| (V) | (μF) | (m Ω) | (m Ω) | (Arms) | (mm) |
| 25 (32) 1E | 3900 | 34 | 32 | 4.5 | 25×35 |
| | 5600 | 27 | 23 | 5.3 | 25×40 |
| | 6800 | 19 | 15 | 6.9 | 25×40 |
| | 10000 | 14 | 12 | 8.8 | 25×50 |
| | 12000 | 12 | 11 | 9.6 | 30×50 |
| 35 (44) 1V | 18000 | 11 | 10 | 9.7 | 35×50 |
| | 2200 | 45 | 32 | 4.5 | 25×35 |
| | 3300 | 31 | 24 | 5.0 | 22×40 |
| | 3900 | 22 | 15 | 7.0 | 25×40 |
| | 5600 | 16 | 11 | 9.1 | 25×50 |
| 50 (63) 1H | 6800 | 14 | 11 | 9.5 | 30×50 |
| | 10000 | 12 | 10 | 10.1 | 35×50 |
| | 1000 | 70 | 40 | 4.0 | 25×35 |
| | 1800 | 37 | 24 | 5.0 | 25×35 |
| | 2700 | 24 | 15 | 6.9 | 25×40 |
| 63 (79) 1J | 3900 | 18 | 12 | 8.8 | 25×50 |
| | 5600 | 15 | 11 | 9.8 | 30×50 |
| | 6800 | 13 | 11 | 9.9 | 35×50 |
| | 1000 | 60 | 40 | 3.0 | 25×35 |
| | 1500 | 39 | 23 | 4.9 | 25×35 |
| 63 (79) 1J | 2200 | 26 | 15 | 6.9 | 25×40 |
| | 2700 | 21 | 12 | 8.8 | 25×50 |
| | 3900 | 16 | 11 | 9.5 | 30×50 |
| | 5600 | 13 | 11 | 9.8 | 35×50 |

Ratings for CD 29G 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 x L |
|----------------------------------|-------------------|---------------------------|---------------------------|---|----------------|
| (V) | (μF) | (mΩ) | (mΩ) | (Arms) | (mm) |
| 400 (450) 2G | 270 | 983 | 688 | 1.23 | 30x30 |
| | 330 | 804 | 676 | 1.43 | 30x35 |
| | | 804 | 676 | 1.49 | 35x30 |
| | 390 | 680 | 476 | 1.60 | 30x40 |
| | | 680 | 476 | 1.65 | 30x45 |
| | | 680 | 476 | 1.64 | 35x35 |
| | 470 | 565 | 316 | 1.82 | 30x50 |
| | | 565 | 316 | 1.83 | 35x40 |
| | 560 | 474 | 221 | 2.05 | 30x55 |
| | | 474 | 221 | 2.12 | 30x60 |
| | | 474 | 221 | 2.15 | 35x45 |
| | 680 | 390 | 273 | 2.35 | 35x50 |
| | | 390 | 273 | 2.43 | 35x55 |
| | 820 | 324 | 227 | 2.68 | 35x60 |
| 450 (500) 2W | 220 | 1206 | 844 | 1.11 | 30x30 |
| | 270 | 983 | 688 | 1.28 | 30x35 |
| | | 983 | 688 | 1.32 | 30x40 |
| | | 983 | 688 | 1.33 | 35x30 |
| | 330 | 804 | 563 | 1.48 | 25x60 |
| | | 804 | 563 | 1.49 | 30x45 |
| | | 804 | 563 | 1.52 | 35x35 |
| | 390 | 680 | 476 | 1.67 | 30x50 |
| | | 680 | 476 | 1.73 | 35x40 |
| | 470 | 565 | 395 | 2.20 | 28x60 |
| | | 565 | 395 | 2.22 | 30x60 |
| | | 565 | 395 | 1.95 | 35x45 |
| | 560 | 474 | 332 | 2.35 | 35x50 |
| | | 474 | 332 | 2.38 | 35x55 |
| 680 | 390 | 273 | 2.45 | 35x60 | |