

GHT Radial Leads, 125°C Standard Series

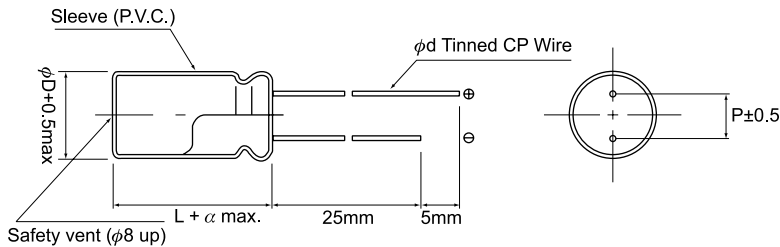


- Extended working temperature range up to 125°C.
- Suitable for car industry or industrial equipments at high reliability.
- Life guaranteed 2,000 hours/125°C.

• Specifications

| Item | Performance Characteristics | | | | | | |
|-------------------------------------|--|---|------|------|------|------|------|
| Operating Temperature range | -40 + 125°C | | | | | | |
| Rated Voltage | 10V ~ 63V | | | | | | |
| Capacitance Range | 1 ~ 4,700 µF | | | | | | |
| Capacitance Tolerance | ±20% (120Hz, 20°C) | | | | | | |
| Leakage Current | I ≤ 0.01CV or 3 µA, whichever is greater after 2 minutes application of rated voltage. | | | | | | |
| Dissipation Factor (120Hz, 20°C) | Rated voltage (V) | 10 | 16 | 25 | 35 | 50 | 63 |
| | Tan δ (max.) | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.10 |
| Temperature Characteristics (120Hz) | Impedance Ratio / Stability at Low Temperature | | | | | | |
| | Rated voltage (V) | 10 | 16 | 25 | 35 | 50 | 63 |
| | Z (-25°C) / Z (20°C) | 3 | 2 | 2 | 2 | 2 | 2 |
| | Z (-40°C) / Z (20°C) | 4 | 4 | 4 | 4 | 4 | 4 |
| Load Life | After 2,000 hours application of WV at 125°C, capacitor shall meet the characteristics requirements mentioned below. | | | | | | |
| | Capacitance change | Within ±20% of initial value | | | | | |
| | Tan δ | 200% or less of initial specified value | | | | | |
| | Leakage current | Initial specified value or less | | | | | |
| Shelf Life | At 125°C, no voltage applied for 1,000 hours, the capacitor shall meet the limits as in load life. | | | | | | |

• Dimension (mm)



| | | | | |
|----|-----|-----|-----|-----|
| Dφ | 8 | 10 | 13 | 16 |
| P | 3.5 | 5.0 | 5.0 | 7.5 |
| φd | 0.6 | 0.6 | 0.6 | 0.6 |
| α | 1.0 | | 1.5 | |

• Standard Products Table

| Cap (µF) \ WV(SV) | Dφ x L (mm) | | | | | | | | | | | | |
|-------------------|-------------|------|---------|------|---------|--------|---------|---------|---------|---------|---------|---------|-----|
| | 10 (13) | | 16 (20) | | 25 (32) | | 35 (44) | | 50 (63) | | 63 (75) | | |
| 1 | | | | | | | | | 8 x 11 | 10 | | | |
| 2.2 | | | | | | | | | 8 x 11 | 22 | | | |
| 3.3 | | | | | | | | | 8 x 11 | 27 | | | |
| 4.7 | | | | | | | | | 8 x 11 | 32 | | | |
| 10 | | | | | | | | | 8 x 11 | 47 | | | |
| 22 | | | | | | | | | 8 x 11 | 70 | | | |
| 33 | | | | | | | | | 8 x 11 | 85 | | | |
| 47 | | | | | | | | | 8 x 11 | 105 | 10 x 12 | 120 | |
| 100 | | | | | | 8 x 11 | 125 | 10 x 12 | 160 | 10 x 12 | 180 | 10 x 16 | 200 |
| 220 | 8 x 11 | 155 | 10 x 12 | 210 | 10 x 12 | 220 | 10 x 16 | 260 | 10 x 20 | 320 | 13 x 20 | 360 | |
| 330 | 10 x 12 | 220 | 10 x 12 | 250 | 10 x 16 | 300 | 10 x 20 | 350 | 13 x 20 | 430 | 13 x 25 | 480 | |
| 470 | 10 x 12 | 270 | 10 x 16 | 330 | 10 x 20 | 390 | 13 x 20 | 470 | 13 x 25 | 570 | 16 x 25 | 650 | |
| 1000 | 10 x 20 | 470 | 13 x 20 | 590 | 13 x 25 | 700 | 16 x 25 | 850 | 16 x 32 | 1030 | | | |
| 2200 | 13 x 25 | 820 | 16 x 25 | 1030 | 16 x 32 | 1210 | | | | | | | |
| 3300 | 16 x 25 | 1090 | 16 x 32 | 1330 | | | | | | | | | |
| 4700 | 16 x 32 | 1390 | | | | | | | | | | | |

Ripple current (mA) at 125°C 120Hz