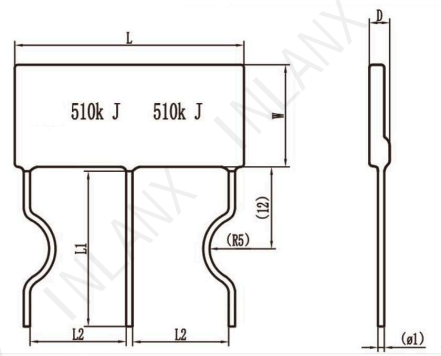
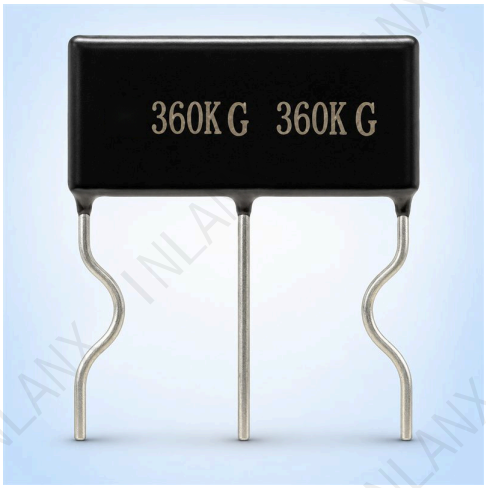
# RI94-6W Glass Glaze Fixed Resistors

## Outline Drawing




QB quality grade. Detail specification Q/RU 639-2024; generic specification GJB 5729-2003. Resistance range and element limiting voltage apply to each resistor in the dual-resistor unit.

## Outline Dimensions • mm

| Model | L | W | D | L1 | L2 |
|---|---|---|---|---|---|
| RI94-6W | 36±2 | 16±2 | 3.2±1.5 | 25±2 | 15±2 |

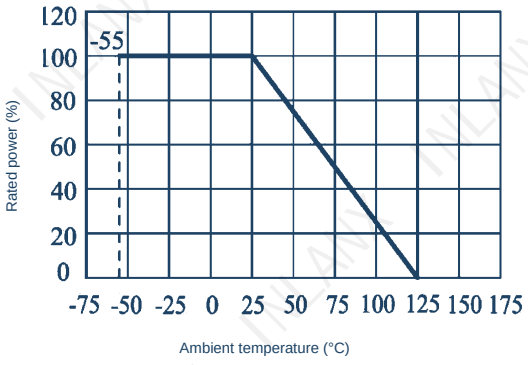
## Electrical Specifications

| Model | Resistance | Tolerance | Operating temp. | TCR ×10^-6/K | Max. operating V | Insulation V |
|---|---|---|---|---|---|---|
| RI94-6W | 360 kΩ~810 kΩ | ±2%, ±5% | -55°C to 125°C | ≤±500 | 850 | 500 |

## Main Inspection Items

| Item | Requirement | Test method |
|---|---|---|
| Damp heat, steady | ΔR≤±5%R | (40±2)°C, RH90–95%, 96 h |
| Temperature change | ΔR≤±2%R | -55 to 125°C, 2 cycles |
| TCR | TCR≤±500×10^-6/K | -55°C, +20°C, 125°C |
| Vibration | No mechanical damage，ΔR≤±2%R | 10–55 Hz, 0.35 mm, 50 m/s², 10 min |
| Lead strength | ΔR≤±2%R | 20 N, 10 s |
| Endurance | ΔR≤±5%R | 25±10°C, continuously apply min(rated voltage, max. operating voltage), 96 h |

## Derating Curve




## Ordering Information

### RI94-6W-510kΩ-J

Model RI94 / Rated power 6 W / Nominal resistance / G±2%, J±5%.