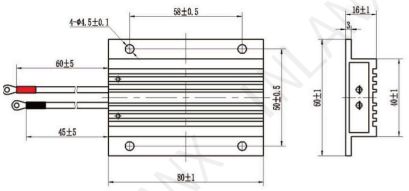
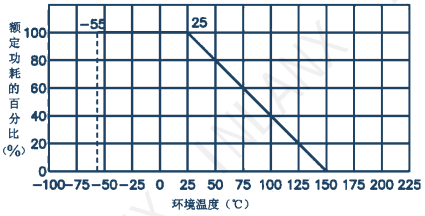
# RXG33 Power Wirewound Fixed Resistor

## Outline Drawing




## Derating Curve






Quality grade QB; detail specification Q/RU 621-2021; general specification GB/T 5729-2003. Outline callouts including 80±1, 60±1, 45±5 and 4-Φ4.5±0.1 are preserved.

## Electrical Specifications

| Model / Power | Resistance Ω | Tolerance | Rated Energy kJ | Temp. °C |
|---|---|---|---|---|
| RXG33-80W | 2 | ±5% | 2.5 | -55~150 |

## Main Inspection Items

| Item | Test method | Requirement |
|---|---|---|
| Insulation resistance | 500±50VDC | ≥1GΩ |
| Dielectric withstand | 3000±100VAC, 1min | No breakdown/arcing; leakage ≤5mA |
| Terminal strength | 40N, 10s | No damage; ΔR≤±(2%R+0.05Ω) |
| Overload | 10UR, 1s | No arcing, burning or charring; ΔR≤±(5%R+0.05Ω) |
| Thermal shock | -40 to 105°C, 10 cycles | No damage; ΔR≤±(5%R+0.05Ω) |
| Mechanical shock | 500m/s², 6ms, 10 times | No damage; ΔR≤±(2%R+0.05Ω) |
| Vibration | 5–2000Hz, 30.8m/s², 8h × 3 axes = 24h | No damage; ΔR≤±(2%R+0.05Ω) |
| High-temp endurance | 85°C, 100h | No damage; ΔR≤±(5%R+0.05Ω) |
| Pulse discharge | 480V, 800μF, 2000 times | No damage; ΔR≤±(5%R+0.05Ω) |

## Ordering Information

### RXG33-80W-2Ω-J

Model / rated power / nominal resistance / tolerance J±5%.