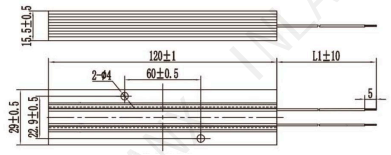
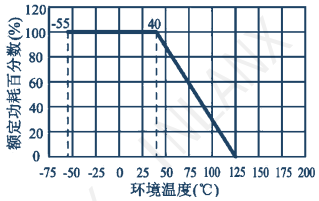
RXG31 Power Wirewound Resistor

Outline Drawing



Derating Curve



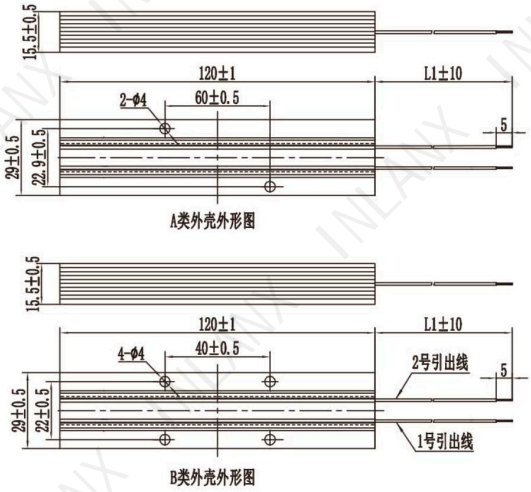


Quality grades J and QB; detail specification Q/RU 423-2010; general specification GB/T 5729-2003. Original A/B housing drawing structures are retained.

Electrical Specifications

Model / Power	Resistance Ω	Tolerance	Temp. °C	L1 mm
RXG31-100W	120	±5%	-55~125	620
RXG31-150W	120	±5%	-55~125	640

A / B Housing Drawings • mm



Main Inspection Items

Item	Test method	Requirement
Insulation resistance	100W: 500V; 150W: 1000V, 1min	≥10000MΩ
Dielectric withstand	100W: 3500VDC, 30s; 150W: 3000VAC, 30s	Leakage ≤1mA; no breakdown
Endurance	15–35°C, UR, 1.5h on/0.5h off, 240h	ΔR≤±(5%R+0.5Ω); Ri≥1000MΩ
Terminal strength	40N, 10±0.5s	No damage; ΔR≤±(1%R+0.05Ω)
Rapid temperature change	-55/25/125°C, 3 cycles	No damage; ΔR≤±(1%R+0.05Ω)
Vibration	10–55Hz, 0.75mm or 98m/s², 2h	No damage; ΔR≤±(1%R+0.05Ω)
Temperature rise	15–35°C, UR	ΔT≤300°C

Ordering Information

RXG31-100W-120Ω-J-A-01-400-N

Model / rated power / resistance / J±5% tolerance / housing code A or B / lead code 01 (1.5mm²) / lead length and terminal. A is default for 100W; B for 150W; N=no terminal.