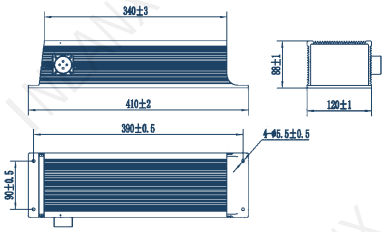
RXG909 Power Wirewound Resistor

Outline Drawing





Quality grade J; detail specification Q/RU 616-2019; general specification GB/T 5729-2003. Two resistor circuits correspond to connector pins 1&2 and 3&4; the original three-view outline is retained.

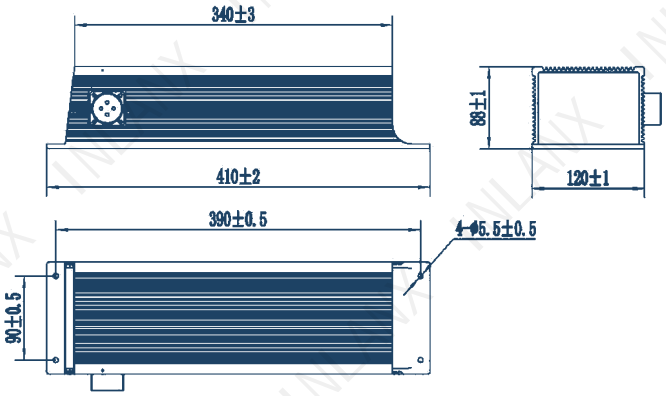
Electrical Specifications

Circuit	Connector pins	Rated W	Resistance Ω	Tolerance	Total mass kg
1	1&2	1000	15	±5%	≤8
2	3&4	1000	15	±5%	≤8

Main Inspection Items

Item	Test method	Requirement
Insulation resistance	1000VDC, 1min	Ri≥500MΩ
Dielectric withstand	2000VAC, 1min	No breakdown/arcing; leakage ≤5mA
High-temp storage	Cyclic exposure 33–71°C, 7d	Legible marks, no damage; ΔR≤±(2%R+0.5Ω)
Low-temp storage	-55±2°C, 72h	Legible marks, no damage; ΔR≤±(2%R+0.5Ω)
Thermal shock	-55±2°C to +70±2°C, 3 cycles, transfer <1min	Legible marks, no damage; ΔR≤±(2%R+0.5Ω)
Damp heat	High 60±2°C/RH95%, low 30±1°C/RH95%, 240h	Legible marks, no damage; ΔR≤±(2%R+0.5Ω), insulation meets requirement
Fungus	GJB 150.10A-2009, 28d	Fungal growth ≤ grade 2, Table 2
Acceleration	GJB 150.15A-2009 procedure III	Legible marks, no damage or looseness; ΔR≤±(2%R+0.5Ω)
Vibration	GJB 150.16A-2009 procedure IV	Legible marks, no damage or looseness; ΔR≤±(2%R+0.5Ω)
Shock	GJB 150.18A-2009 procedure I	Legible marks, no damage or looseness; ΔR≤±(2%R+0.5Ω)
Life	70±5°C, UR, both circuits energized, 1min on/10min off, 1000 cycles	Legible marks, no damage or looseness; ΔR≤±(10%R+0.5Ω)
Rain	Droplets 0.5–4.5mm, min nozzle pressure 276kPa, each face 40min	Legible marks, no damage; ΔR≤±(2%R+0.5Ω), insulation meets requirement

Three-view Outline • mm (Enlarged)



Ordering Information

RXG909-1000W-15Ω-J/1000W-15Ω-J

Model / circuit 1 (pins 1&2) power, resistance, tolerance / circuit 2 (pins 3&4) power, resistance, tolerance. Both are 1000W, 15Ω, J±5%.