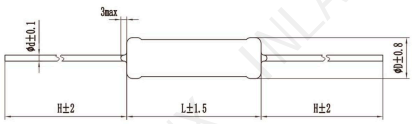
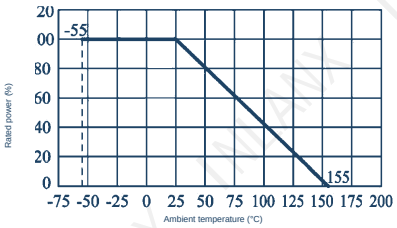
RX Wirewound Resistor

Outline Drawing



Derating Curve





Applicable standards: grades YG, J and QB; detail specification Q/RU 181-2014 (YG also lists QZJ 84061); general specification GB/T 5729-2003.

Dimensions • mm

Outline marks L±1.5, H±2, Φd±0.1, ΦD±0.8 and end section 3max.

Model and power	L	ΦD	H	Φd
RX-1W	8.5	3.7	25	0.7
RX-2W	9.8	4.2	25	0.8
RX-3W	12.3	4.2	25	0.8
RX-5W	19.8	7.2	30	0.8

Electrical Specifications

Model and power	Resistance Ω	Tolerance %	Temp. °C	TCR
RX-1W	0.01–1	±2 / ±5 / ±10	-55 to 155	Not assessed
RX-2W	0.01–1	±2 / ±5 / ±10	-55 to 155	Not assessed
RX-3W	0.01–1	±2 / ±5 / ±10	-55 to 155	Not assessed
RX-5W	0.01–1	±2 / ±5 / ±10	-55 to 155	Not assessed

Main Inspection Items

Item	Method	Requirement
Steady damp heat	40±2°C, RH(93+2/-3)%, 96h	ΔR≤±(2%R+0.01Ω); no visible damage
Temperature cycling	-55 to +155°C, 3 cycles	ΔR≤±(2%R+0.01Ω); no visible damage
Mechanical strength	Sweep 10–500Hz, 98m/s², 12min; shock 147m/s² 18 times; bump 98m/s² 1000 times; centrifuge 98m/s² 2min	ΔR≤±(2%R+0.01Ω); no visible damage
Lead strength	Tension 10N (Φ0.7mm) or 20N (Φ0.8mm), 10±0.5s	ΔR≤±(1%R+0.01Ω)
Short-time load	15–35°C, PR, 24h	ΔR≤±(2%R+0.01Ω)
Room-temperature endurance	15–35°C, PR, 1000h	ΔR≤±(5%R+0.02Ω)

Ordering Information

RX-1W-1Ω-J

Model / rated power / nominal resistance / tolerance: G±2%, J±5%, K±10%.