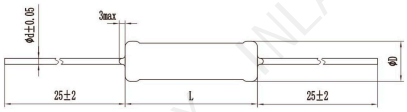
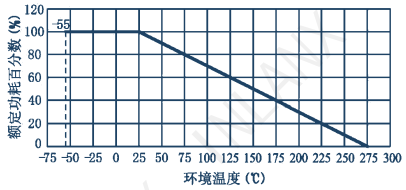
RX712 Power Wirewound Resistor

Outline Drawing



Derating Curve





Grades J and QB; detail specification Q/RU 161-2014 (also +QZJ 84061); general specification GB/T 5729-2003.

Dimensions • mm

Drawing also shows 25±2mm lead each side, 3max and Φd±0.05.

Power W	L	ΦD	Φd
1	6.6±0.5	2.5±0.2	0.6
1.5	8±0.5	2.5±0.2	0.6
2	10.4±0.6	2.5±0.2	0.6
3	14.6±0.9	4.7±0.3	0.8
4	15.2±0.8	5.7±0.3	0.8

Electrical Specifications

E24/E48 values. R≥10Ω: ±0.5%, ±1%, ±2%, ±5%; 1Ω≤R<10Ω: ±1%, ±2%, ±5%; R<1Ω: ±2%, ±5%. TCR for R<10Ω guaranteed by wire; R≥10Ω ≤100×10□□/K.

Power W	Resistance Ω	Temp. °C
1	0.1–1k	-55 to 275
1.5	0.1–1k	-55 to 275
2	0.1–2k	-55 to 275
3	0.1–3.9k	-55 to 275
4	0.1–4k	-55 to 275

Main Inspection Items

Item	Test method	Requirement
Solderability	RoHS: 260±5°C, 5±0.5s; non-RoHS: 235±2°C, 5±0.5s; immersion ~6mm from body	Tin coverage ≥95%
TCR	-55 to 150°C	R<10Ω guaranteed by wire; R≥10Ω ≤100×10□□/K
Damp heat	40±2°C, RH 90–95%, 96h	No damage; ΔR≤±(0.5%R+0.05Ω)
Temperature change	-55 to 150°C, 3 cycles	No damage; ΔR≤±(0.5%R+0.05Ω)
Mechanical strength	Vibration 50Hz, 150m/s², 30min; sweep 55–500Hz, 150m/s², 13min; shock 500m/s² half-sine, 18 times	No damage; ΔR≤±(0.5%R+0.05Ω)
Lead strength	Pull: Φ0.6 10N, Φ0.8 20N, 10s; torsion 180°, 2 times	No fracture/loosening; ΔR≤±(0.2%R+0.05Ω)
Life	25±10°C, UR, 1000h	ΔR≤±(5%R+0.1Ω)
Room-temp endurance	25±10°C, UR, 96h	ΔR≤±(1%R+0.05Ω)

Ordering Information

RX712-1W-10Ω-J

Model / rated power / nominal resistance / tolerance D±0.5%, F±1%, G±2%, J±5%.