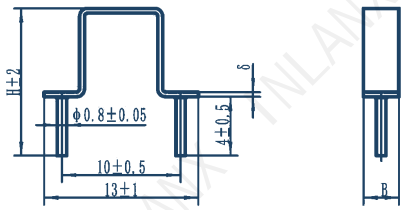
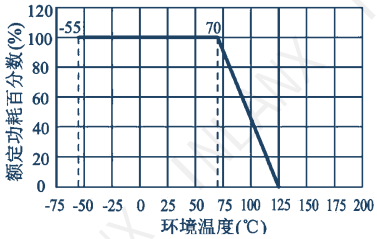
RX929 Ultra Low Ohm Resistor

Outline Drawing



Derating Curve





Grades J, QB; detail specification Q/RU 355-2006; general specification GB/T 5729-2003.

Dimensions • mm

Drawing also marks H±2, Φ0.8±0.05, 4±0.5, 10±0.5, 13±1.

Model	H	δ	B
RX929-2W-0.01Ω-J	12	0.4±0.05	2.8±0.1
RX929-3W-0.003Ω-J	10.5	1.0±0.05	3.3±0.1

Electrical Specifications

Model	Resistance Ω	Tolerance	TCR ×10□□/K
RX929-2W	0.01	±2%, ±5%	≤±40
RX929-3W	0.003	±2%, ±5%	≤±40

Main Inspection Items

Item	Test method	Requirement
Lead strength	10N, 10s	No mechanical damage; ΔR≤±5%R
Solderability	235±5°C, 2±0.5s	Solder wets leads and flows freely
Temperature rise	UR, 1h	Lead temperature ≤180°C
Overload	3.16UR, 5s	No mechanical damage; ΔR≤±5%R
Temperature change	-55 to 125°C, 3 cycles	No mechanical damage; ΔR≤±5%R
Soldering heat	260±5°C, 5s; immersion 1–1.5mm from resistor plane	No mechanical damage; ΔR≤±5%R
Mechanical strength	Vibration 10–55Hz, 98m/s², 6h; shock 490m/s², 11ms half-sine	No mechanical damage; ΔR≤±5%R
Room-temp endurance	25±10°C, UR, 240h	No mechanical damage; ΔR≤±5%R

Ordering Information

RX929-2W-0.01Ω-J

Model / rated power 2W or 3W / nominal resistance 0.01Ω or 0.003Ω / J±5%.