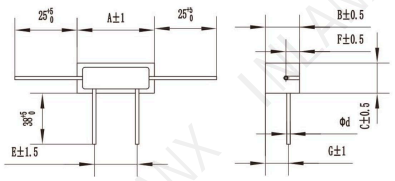
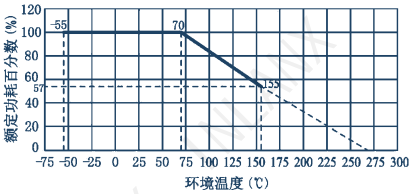
RX906 Four-Terminal Wirewound Resistor

Outline Drawing



Derating Curve





Grades YC, J, QB, CAST C. Detail specs Q/QJA 20088/5A-2019, Q/RU 162-2014, CASTPS 01/025-2006; general spec GB/T 5729-2003. CAST and YC products follow their purchasing specifications.

Dimensions • mm

Drawing shows A±1, B±0.5, C±0.5, E±1.5, F±0.5, G±1, leads each side 25(+5/0), etc.

Power W	A	B	C	Φd	E	F	G
2	18.1	8	7.5	0.8	10	3.6	5.4
3	21.6	9	8.5	0.8	14	4	6.4
7	35.6	10.5	10.5	1	25	5.3	7.5

Electrical Specifications

Power W	Resistance Ω	Tolerance %	Temp. °C	Withstand VDC
2	0.01–1	±0.25	-55 to 155	1000
3	0.01–1	±0.25	-55 to 155	1000
7	0.01–1	±0.25	-55 to 155	1000

Main Inspection Items

Item	Test method	Requirement
Solderability	RoHS: 260±5°C, 5±0.5s; non-RoHS: 235±5°C, 5±0.5s; ~6mm from body	Tin coverage ≥95%
Surface rise	15–35°C, UR	≤200°C
Endurance	UR, 70°C, 1.5h on/0.5h off, 1000h	ΔR≤±5%R
Vibration	10–500Hz, 1.5mm or 200m/s², 20 sweeps per axis	No damage; ΔR≤±2%R
Temperature cycling	-55 to 155°C, 5 cycles	ΔR≤±2%R
Soldering heat	260±5°C, 5±1s, ~6mm from body	No visible damage, marking legible; ΔR≤±2%R
Withstand voltage	1000VDC, 60±5s	No breakdown/arcing; leakage ≤5mA
Damp heat	40±2°C, RH 93(+2/-3)%, 96h	No visible damage, marking legible; ΔR≤±5%R, Ri≥100MΩ

Ordering Information

RX906-2W-0.1Ω-C

Model / rated power / nominal resistance / tolerance C±0.25%.