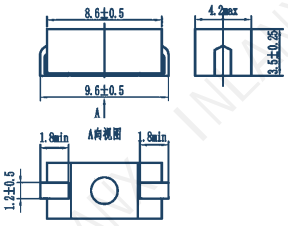
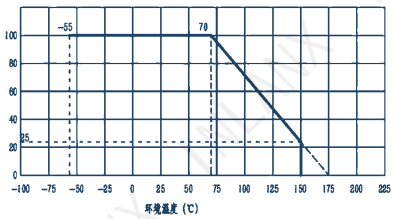
RXCG1 Power Chip Wirewound Fixed Resistor

Outline Drawing



Derating Curve





Quality grade QB; detail specification Q/RU 628-2024; general specification GB/T 5729-2003.

Electrical Specifications

Model	Power W	Resistance Ω	Tolerance	Temp. °C
RXCG1	1	0.1~150	±5%	-55~150

Main Inspection Items

Item	Test method	Requirement
Solderability	235±5°C, 2±0.5s	Solder coverage ≥95%
Solder heat resistance	260±5°C, 5±0.5s	ΔR≤±(2%R+0.05Ω); no visible damage
Short-time overload	5× rated-power test voltage, 5s	No arcing, burning or charring; ΔR≤±(5%R+0.05Ω)
Steady damp heat	40±2°C, RH93(+2/-3)%, 240h	ΔR≤±(5%R+0.05Ω); no visible damage
High-temp exposure	175(+5/-0)°C, 250±8h	ΔR≤±(5%R+0.05Ω); no visible damage
Mechanical shock	1000m/s², 6ms, half-sine, 6 per axis, 18 total	ΔR≤±(5%R+0.05Ω); no visible damage
Vibration	10–500Hz, 0.75mm, 1h each axis, 3h total	ΔR≤±(5%R+0.05Ω); no visible damage
Life	70±2°C, 1.5h on/0.5h off, UR, 1000h	ΔR≤±(5%R+0.05Ω); no visible damage

Ordering Information

RXCG1-1W-2Ω-J

Model / rated power / nominal resistance / tolerance J±5%.