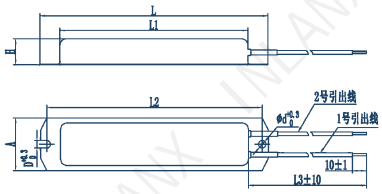
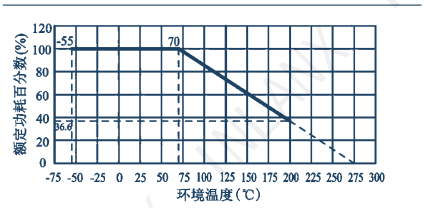
RXG28 Power Wirewound Fixed Resistor

Outline Drawing



Derating Curve





Quality grades J and QB; detail specification Q/RU 167-2015; general specification GB/T 5729-2003.

Dimensions • mm

Model / Power	A	L	H	L1	L2	L3	D	Φd	Area cm²
RXG28-30W (60W)	30±0.3	100±0.8	16.8±0.6	75±0.8	90±0.8	440	4.5	4.5	410
RXG28-45W	30±0.3	100±0.8	12.5±0.5	75±0.8	90±0.8	150	4.5	4.5	410
RXG28-80W	42±0.5	130±1	21±0.8	104±1	118±1	250	6	6	544
RXG28-120W	42±0.5	182±1	21±0.8	150±1	172±1	300	6	6	824
RXG28-200W	60±1	230±1	20±1	200±1	220±1	320	4.5	4.5	1448

Electrical Specifications

Model / Power	Resistance Ω	Tolerance	Temp. °C
RXG28-30W	3~10k	±5% (J), ±10% (K)	-55~200
RXG28-45W	3~5.1k	±5% (J), ±10% (K)	-55~200
RXG28-60W	3~7.5k	±5% (J), ±10% (K)	-55~200
RXG28-80W	3~10k	±5% (J), ±10% (K)	-55~200
RXG28-120W	3~20k	±5% (J), ±10% (K)	-55~200
RXG28-200W	1.6~50	±5% (J), ±10% (K)	-55~200

Main Inspection Items

Item	Test method	Requirement
Insulation resistance	500VDC, 1min	≥10000MΩ
Dielectric withstand	2800VAC, 60s, 50Hz	Leakage ≤1mA; no breakdown/arcing
70°C endurance	70°C, UR, 1.5h on/0.5h off, 1000h	Insulation ≥1000MΩ; ΔR≤±(10%R+0.5Ω)
Terminal strength	40N, 10±1s	No visible damage; ΔR≤±(1%R+0.05Ω)
Rapid temperature change	-55/25/125°C, 5 cycles	No visible damage; ΔR≤±(1%R+0.05Ω)
Vibration	10–55Hz, 0.75mm or 98m/s², 2h	No visible damage; ΔR≤±(1%R+0.05Ω)
Temperature rise	15–35°C, UR	ΔT≤300°C

Ordering Information

RXG28-45W-51Ω-J-01-440-N/450-E

Model / power / resistance / tolerance J±5% or K±10% / lead code / lead 1 length and terminal / lead 2 length and terminal. 01=1.5mm² (45W), 17=2mm² (others); N=none, M/E/V/AB=RV2-6/-4/-5/-8 terminals.