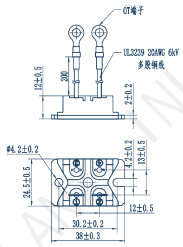
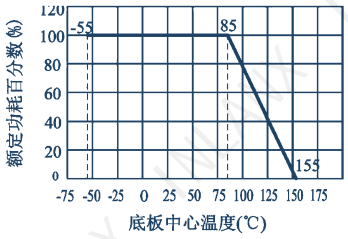
RMG15 Power Fixed Resistor

Outline Drawing



Derating Curve



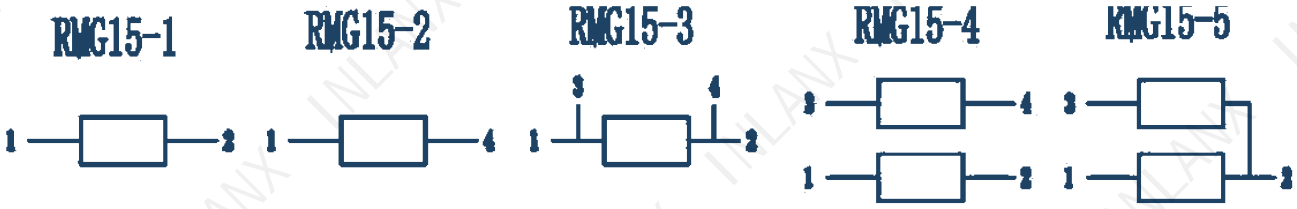


Grade QB; detail specification Q/RU 634-2024; general specification GB/T 5729-2003.

Electrical Specifications

Model/circuit	Power W	Resistance Ω	Tolerance %	Limit voltage V	Temp. °C	TCR ×10□□/K
RMG15-1	120, 150	10~1M	±5	1500	−55~155	±150
RMG15-2	120, 150	10~1M	±5	1500	−55~155	±150
RMG15-3	120, 150	10~1M	±5	1500	−55~155	±150
RMG15-4	100, 120	2×(10~1M)	±5	1500	−55~155	±150
RMG15-5	100, 120	2×(10~1M)	±5	1500	−55~155	±150

Circuit Configurations



Main Inspection Items

Item	Test method	Requirement
Rapid temperature change	−55 to 155°C, 5 cycles	ΔR≤±(0.5%R+0.05Ω)
Steady-state damp heat	40±2°C, RH 93±3%, 56 d	No visible damage; markings legible; ΔR≤±(0.5%R+0.05Ω)
TCR	−55°C / 25°C / 155°C	≤±150×10□□/K
Dielectric withstand	5000 VAC, 60±5 s	Leakage ≤10 mA; no breakdown or arcing
Insulation resistance	500±50 VDC	Ri≥10 GΩ
High-frequency vibration	10–500 Hz; 0.35 mm / 50 m/s²; 90 min	No damage; ΔR≤±(2%R+0.05Ω)
Momentary overload	1.5PR, 5 s	ΔR≤±(0.5%R+0.05Ω)
Life	UR, 1.5 h on/0.5 h off, 1000 h	ΔR≤±(1%R+0.05Ω)

Ordering Information

RMG15-1-150W-25kΩ-J-200-AS

Model / circuit where applicable / power / nominal resistance / tolerance / leads and terminal where applicable.

Circuits 1–3: 120/150W; 4–5: 100/120W. Lead length and terminal customizable.