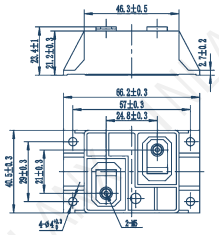
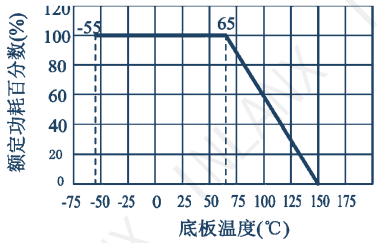
RIG400 High Power Resistor

Outline Drawing



Derating Curve





Grade J; detail specification Q/RU 486-2016; general specification GB/T 5729-2003.

Electrical Specifications

Model/circuit	Power W	Resistance Ω	Tolerance %	Limit voltage V	Temp. °C	TCR ×10□□/K
RIG400-400W	400	10~1M	±1, ±2, ±5, ±10	5000	−55~150	±150

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 90–95%, 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	6000 VAC	Leakage ≤10 mA; no breakdown or arcing
Insulation resistance	500 VDC	Ri≥10 GΩ
High-frequency vibration	10–500 Hz; 0.75 mm / 200 m/s²; 90 min	No damage; ΔR≤±(0.25%R+0.05Ω)
Momentary overload	1.5PR, 5 s	ΔR≤±(0.4%R+0.05Ω)
Life	UR, 1.5 h on/0.5 h off, 1000 h	ΔR≤±(1%R+0.05Ω)

Ordering Information

RIG400-400W-10Ω-J

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

Tolerance F±1%, G±2%, J±5%, K±10%.