RXMB Leadless High-Power Glazed Wirewound Resistors

Features

• For voltage sharing, current sharing and discharge circuits in large high-voltage equipment used in metallurgy and power systems.

• Copper end terminals withstand a 20N insertion/extraction force; suitable for plug-in or bolted mounting.

• Glazed surface provides contamination resistance, high dielectric strength, chemical-gas resistance and high-temperature resistance.

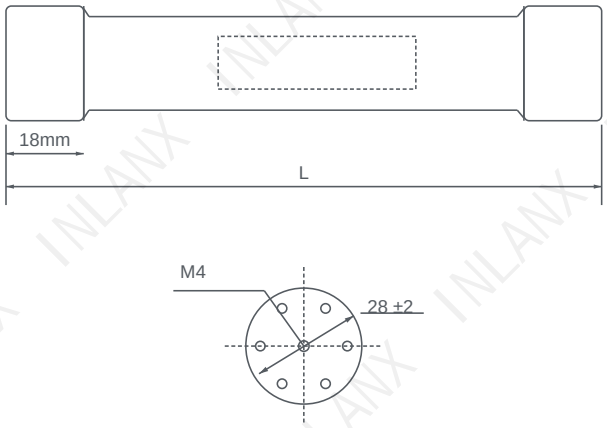
• High overload capability and good thermal stability.



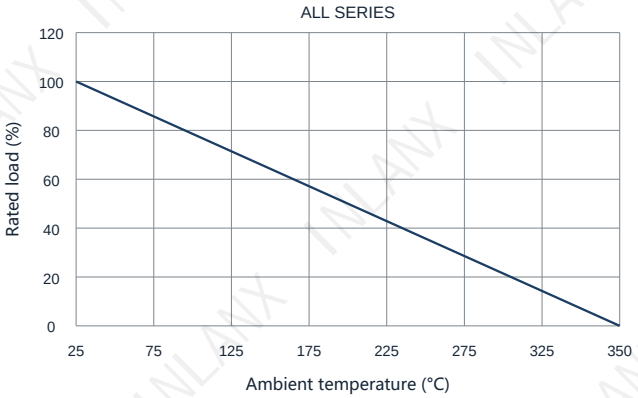
Technical Specifications

Model	Rated power (W)	Resistance range (Ω)	Tolerance	Dmax (mm)	Lmax (mm)
RXMB75	75	20R ~ 8K	±5% (J) ±10% (K)	30	140
RXMB100	100	20R ~ 10K		30	215
RXMB150	150	20R ~ 10K		30	266
RXMB200	200	20R ~ 10K		30	266
RXMB200N	200	20R ~ 10K		70	110
RXMB300	300	20R ~ 8K		26	265

Outline Dimensions • mm



Power Derating Curve



Performance Characteristics

Test item	Requirements	Test method
Solderability	Uniform solder coverage.	HiSnPb39; 75W soldering iron; tinning.
Insulation resistance	>20MΩ/cm^2	500V DC test voltage.
Dielectric withstand	No breakdown or flashover.	2000V DC or 50Hz AC with equal peak voltage.
Body strength	ΔR ≤ ±(1%R+0.05Ω)	≤40W: 30N load; ≥50W: 100N load.
Vibration	ΔR ≤ ±(1%R+0.05Ω)	10~500Hz; acceleration 98m/s^2; 1h.
Bump	ΔR ≤ ±(1%R+0.05Ω)	40~80/min; acceleration 245m/s^2; 2000 bumps.
Temperature rise	<325°C	Apply rated power.
Rapid temperature change	ΔR ≤ ±(2%R+0.1Ω)	θA=-55°C; θB=+200°C; 5 cycles.
Steady-state damp heat	ΔR ≤ ±(2%R+0.1Ω)	40 ±2°C; 93 ±2%RH; 96h.
Overload	ΔR ≤ ±(2%R+0.1Ω)	10 times rated power for 5s.
Endurance at room temperature	ΔR ≤ ±(5%R+0.1Ω)	Rated power at room temperature for 1000h.