RXG300D/600D

High-Power Ceramic-Housed Wirewound Resistors

Product Introduction

• Features: radial leads and axial mounting on a fixed plate. The housing has cooling fins for effective heat dissipation. Integrated encapsulation with flame-retardant materials provides good vibration resistance.

• Applications: discharge circuits for DC or low-frequency AC in wind power generation, electric locomotives and large military ground equipment.

• Products compliant with RoHS and REACH requirements can be supplied.



Ordering Example

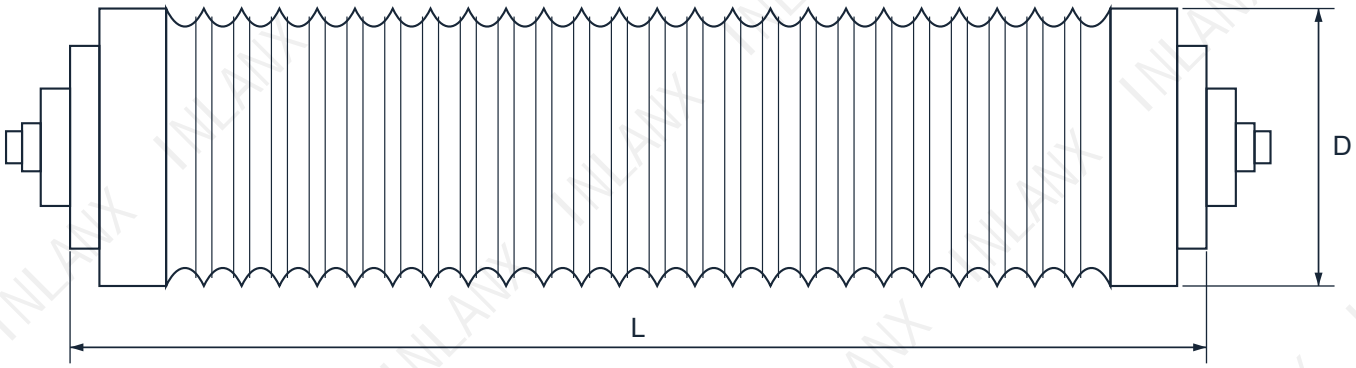
Model: RXG300D RXG600D

Rated power: 200W 400W

Nominal resistance: 5.1Ω-100K

Resistance tolerance: ±5%

Outline Dimensions



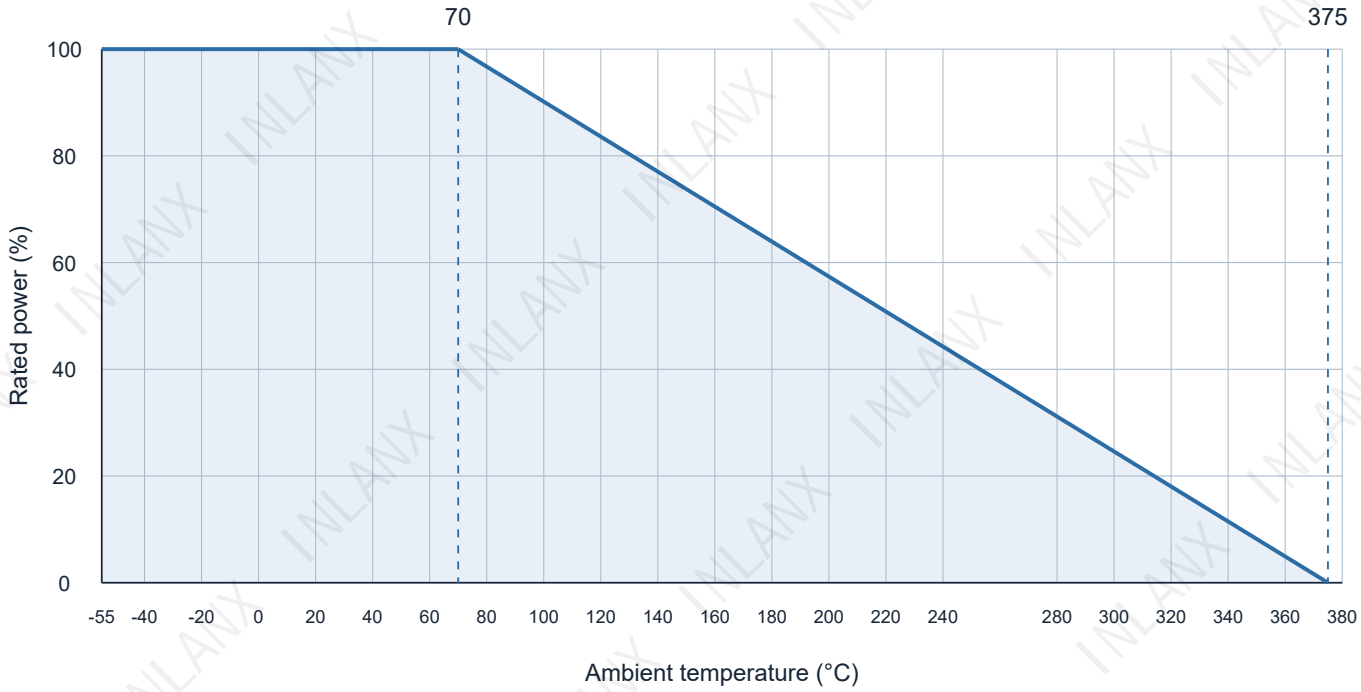
Ratings & Dimensions

Model	Rated power (W)	Surge power	Dimensions (mm)		Resistance range (Ω)	Tolerance (%)
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RXG600D	400	600	51	270	5.1~100K	±5 (J) ±10 (K)
RXG300D	200	300	51	165	5.1~100K	

Technical Specifications

Model	Withstand voltage (V)	Insulation resistance (Ω)	Housing
RXG600D / RXG300D	4000	1000	Ceramic housing

Power Derating Curve



Inspection Items, Methods & Requirements

Inspection item	Performance requirement	Inspection method
Short-term overload	≤±(1%R+0.05R)	10P, 5S
Shock	≤±(1%R+0.05R)	1000m/S, 6mS
Vibration	≤±(1%R+0.05R)	10-1000Hz, 0.75mm, 200m/S
Rapid temperature change	≤±(1%R+0.05R)	-55°C, 30min / 125°C, 30min; 5 cycles
Endurance at 70°C	≤±(5%R+0.05R)	70°C, P, 1000h