RXG20T Adjustable Enamel-Coated Power Wirewound Resistor

Product Introduction

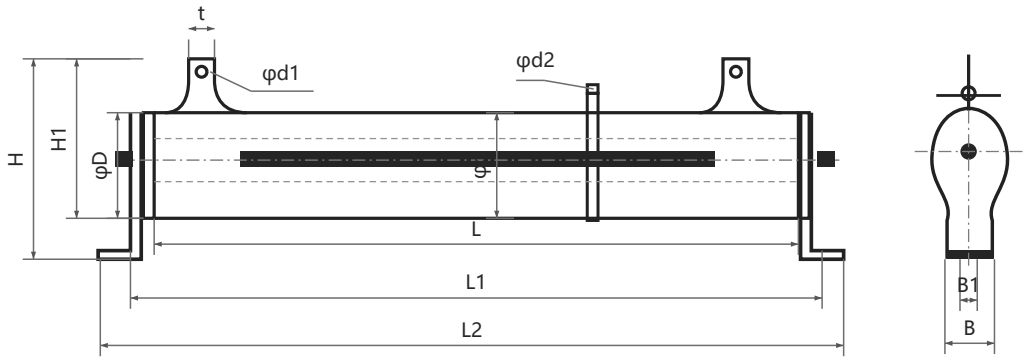
• Product features: Dedicated accessories (optional) for easy installation. Excellent high-temperature load characteristics. Enamel coating provides strong contamination resistance, moisture resistance, resistance to corrosive chemical gases, and high-temperature resistance.

• Applications: Voltage division, current shunting and loading in DC or low-frequency AC circuits.

• Products complying with RoHS, REACH and three-proof requirements can be manufactured.



Dimensions



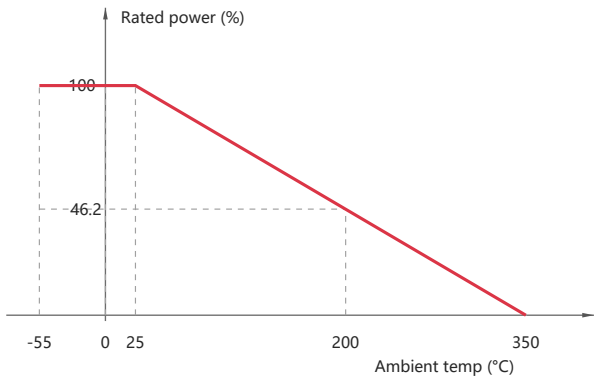
RXG20T outline

Model	Rated power (W)	Resistance range (Ω)	Dimensions (mm)											
			L	L1	L2	D	d	H	H1	d1	t	d2	B	B1
RXG20T-200W	200	5.1 ~ 3K	215±3	247±4	259±4	38±3	25±1.5	84±3	58±2	4	9	3	35	6.5
RXG20T-250W	250	5.1 ~ 3K	266±3	296±4	308±4	30±2	16±0.8	71±2	50±2			2	26	6.5
RXG20T-300W	300	5.1 ~ 3K	266±3	298±4	310±4	36±2	22±1.2	82±3	58±2			3	35	6.5
RXG20T-400W	400	6.2 ~ 3K	250±2	280±3	298±4	54±2	30±2	98±3	79±3	8	16		50	6.5
RXG20T-500W	500	6.2 ~ 3K	300±2	330±3	348±4	54±2	30±2	98±3	79±3				50	6.5

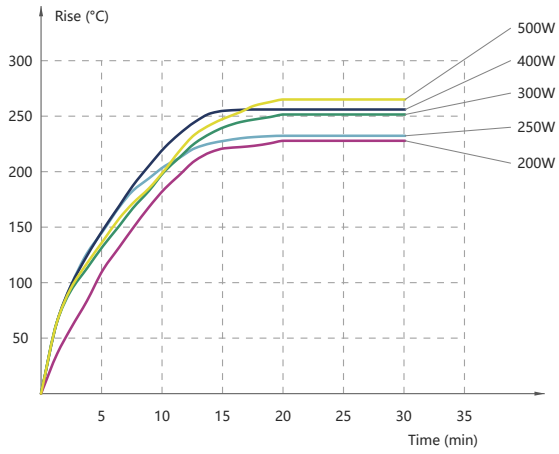
Main Test Items

Test item	Test conditions	Performance requirements	Test standard
Insulation resistance	Voltage: (500±50)Vdc, 1min, foil-wrapping method	>1GΩ	GB/T 5729-1985 Clause 4.6
Voltage withstand	Voltage: 3500Vdc, 1min, between terminals and mounting parts	No breakdown or flashover	GB/T 5729-1985 Clause 4.7
Shock	Acceleration: 147m/s²; duration: 11ms; 18 half-sine pulses	ΔR≤±(2%R+0.05Ω)	GB/T 2423.05-1981
Vibration	Frequency: (10～500)Hz; amplitude: 0.75mm or acceleration: 98m/s²; 6h	ΔR≤±(2%R+0.05Ω)	GB/T 2423.10-1981
Rapid temperature change	Temperature range: (-55～+200)°C; 5 cycles.	ΔR≤±(2%R+0.05Ω)	GB/T 2423.22-1981
Steady-state damp heat	Temperature: (40±2)°C; relative humidity: (93±3)%; 96h	ΔR≤±(5%R+0.1Ω)	GB/T 2423.03-1981
Room-temperature endurance	Ambient temperature: (15～35)°C; rated power; 1.5h on, 0.5h off; 96h	ΔR≤±(5%R+0.1Ω)	GB/T 5729-1985 Clause 4.25

Power Derating Curve



Temperature Rise Curve



Ordering Example

Model: RXG20T

Rated power: 200W

Nominal resistance: 10Ω

Resistance tolerance: ±5%

With accessories

Quantity: 1000 pieces