RXG20 Vitreous-enamel Power Resistor

Product Overview



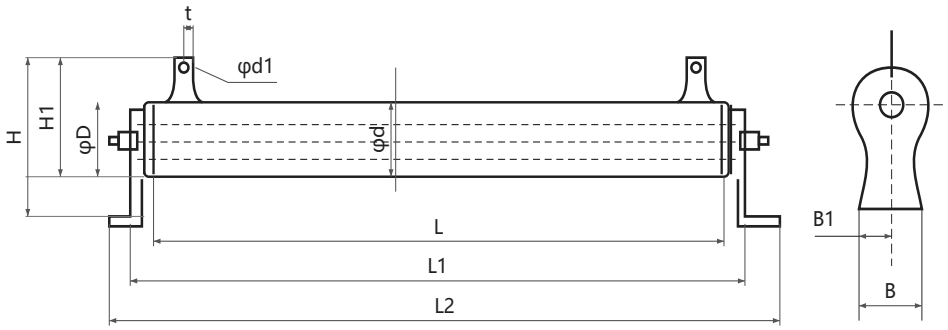
• Features: optional dedicated accessories for easy installation. Excellent high-temperature load performance. Vitreous-enamel coating resists contamination, moisture, chemical gases and high temperatures.

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

• Non-inductive products are available by agreement; add "N" after the model.

• Products meeting RoHS, REACH and three-proof protection requirements can be manufactured.

Outline Dimensions



RXG20 outline

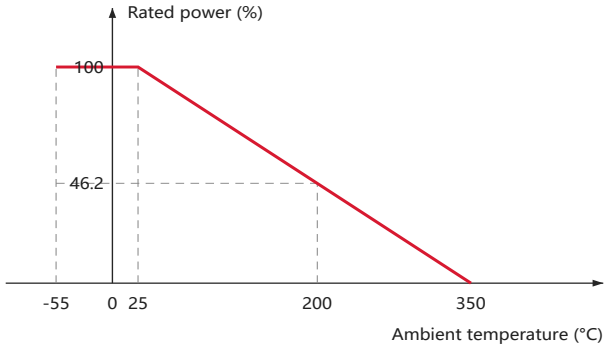
Specifications

Model	Rated power (W)	Resistance range (Ω)	Dimensions (mm)										
			L	L1	L2	D	d	H	H1	d1	t	B	B1
RXG20-200W	200	4.7 ~ 12K	215±3	247±4	259±4	38±3	25±1.5	84±3	58±2	4	9	35	6.5
RXG20-250W	250	4.7 ~ 12K	266±3	296±4	308±4	30±2	16±0.8	71±2	50±2			26	6.5
RXG20-300W	300	4.7 ~ 12K	266±3	298±4	310±4	36±2	22±1.2	82±3	58±2			35	6.5
RXG20-400W	400	5.1 ~ 12K	250±2	280±3	298±4	54±2	30±2	98±3	79±3	8	16	50	6.5
RXG20-500W	500	5.1 ~ 12K	300±2	330±3	348±4	54±2	30±2	98±3	79±3			50	6.5

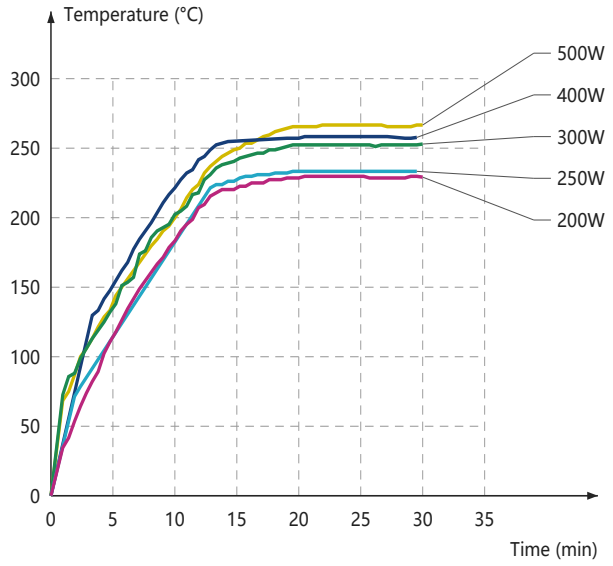
Main Test Items

Test item	Test conditions	Performance requirements	Test standard
Insulation resistance	Voltage: (500±50)Vdc, 1min, foil method	>1GΩ	GB/T 5729-1985, 4.6
Voltage withstand	Voltage: 3500Vdc, 1min, between terminals and mounting parts	No breakdown or flashover	GB/T 5729-1985, 4.7
Shock	Acceleration: 147m/s²; duration: 11ms; half-sine wave, 18 times	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
Damp heat, steady state	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, 4.25

Derating Curve



Temperature-rise Curve



Ordering Example

RXG20	200W	10Ω	±5%	With accessories	1000 pcs
Model	Rated power	Nominal resistance	Resistance tolerance	Accessories	Quantity