

- Small size, high withstand voltage
- Widely used in various power sources, frequency converter, brake system

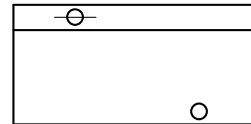
RXG31 RXG31 Power type, wirewound resistor

Applicable Specifications

- GB/T5729-2003
- Q/RU423-2010 RXG31

Dimensions in millimeters

Type	Dimension mm			
	H±0.5	W±0.5	L±1	L1±5
RXG31- 100W	15.5	29	120	370
RXG31- 100W				450
RXG31- 100W				515
RXG31-150W				640



Dimensions

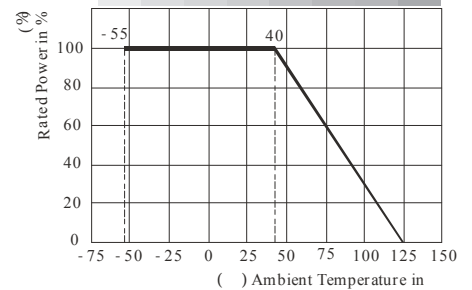
Technical and Standard Electrical Specifications

Type	Resistance (Ω)	Dielectric Withstand Voltage	(%) Resistance Tolerance	TCR (×10 ⁻⁶ /°C)	Insulation Resistance (MΩ)
100W	20~400	3500V _{DC}	±5	±250	10 ⁴
150W		3000V _{AC}			

Performance

Test	Conditions of test	Test Limits
Insulation Resistance	500V	≥10000MΩ
Dielectric Withstand Voltage	100W: 3500V _{DC} , 30s 150W: 3000V _{AC} , 30s	(No breakdown or flashover)
Endurance	(Room temperature), U _R , 240h	ΔR ≤ ±(5%R + 0.5Ω), R _i ≥ 1000MΩ
Terminal Strength	40N, 10±0.5S	ΔR ≤ ±(1%R + 0.05Ω)
Rapid change of temperature	-55°C/25°C/125°C, 3 cycles	(No significant damage) ΔR ≤ ±(1%R + 0.05Ω)
Vibration	10 Hz ~55Hz, 0.75mm 98 m/s ² , 2h	ΔR ≤ ±(1%R + 0.05Ω)
Temperature Rise	UR	≤300°C

Derating



Ordering Information

RXG31 – 100W – 120Ω – J

Type – Power – Nominal Resistance – Tolerance