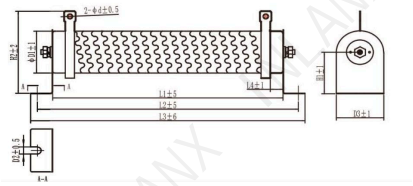
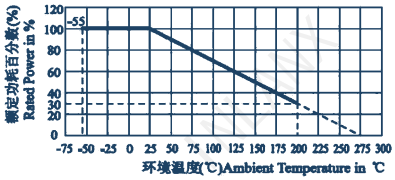
RXG13P Wirewound Resistor

Outline Drawing



Derating Curve





Quality grades J and QB; detail specification Q/RU 633-2024; general specification GB/T 5729-2003.

Dimensions • mm

Model / Power	H1	H2	L1	L2	L3	L4	ΦD1	D2	D3	Φd
RXG13P-50W/60W	23	58.5	100	119	140	11	28.5	6.5	27.5	4.5
RXG13P-80W	23	58.5	150	169	190	11	28.5	6.5	27.5	4.5
RXG13P-100W/120W	23	58.5	180	199	220	11	28.5	6.5	27.5	4.5
RXG13P-150W/200W	33.3	79	195	214	235	11	40.5	8	40	5.5
RXG13P-300W/400W	33.3	79	282	301	322	11	40.5	8	40	5.5
RXG13P-600W	33.3	79	345	364	385	11	40.5	8	40	5.5
RXG13P-500W/750W	41.7	96.5	316	335	356	16	50.5	8	50	6.5
RXG13P-1000W	50.5	111	300	319	344	16	60.5	8.5	60.5	6.5
RXG13P-1200W/1500W	50.5	111	415	434	459	16	60.5	8.5	60.5	6.5
RXG13P-2000W	50.5	111	510	529	554	16	60.5	8.5	60.5	6.5
RXG13P-2500W	50.5	111	600	619	644	16	60.5	8.5	60.5	6.5

Electrical Specifications

R≥10Ω TCR ≤±500×10□□/K; R<10Ω not assessed.

Model / Power	Resistance Ω	Operating Temp. °C	Tolerance
RXG13P-50W/60W	0.1~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-80W	0.15~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-100W/120W	0.2~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-150W/200W	0.25~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-300W/400W	0.4~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-600W	0.5~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-500W/750W	0.6~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-1000W	0.8~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-1200W/1500W	1~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-2000W	1~10k	-55~+200	±5% (J), ±10% (K)
RXG13P-2500W	1~10k	-55~+200	±5% (J), ±10% (K)

Main Inspection Items

Item	Test method	Requirement
Resistor body strength	10N, 10s	No cracks or breakage
Terminal strength	40N, 10s	No damage; ΔR≤±(2%R+0.05Ω)
Vibration	10–500Hz, 0.35mm or 50m/s², twice, 23min	No damage; ΔR≤±(2%R+0.05Ω)
Temperature cycling	-55 to +200°C, 2 cycles	No damage; ΔR≤±(5%R+0.05Ω)
Damp heat	40±2°C, RH93±3%, 48h	No damage; ΔR≤±(5%R+0.05Ω)
Insulation resistance	500±50VDC	Ri≥1000MΩ
Dielectric withstand	2500±15VAC, 1min	No breakdown or arcing
Endurance	25°C, UR, 1000h	No damage; ΔR≤±(10%R+0.05Ω)

Ordering Information

RXG13P-100W-100Ω-J

Model / rated power / nominal resistance / tolerance: J ±5%, K ±10%.