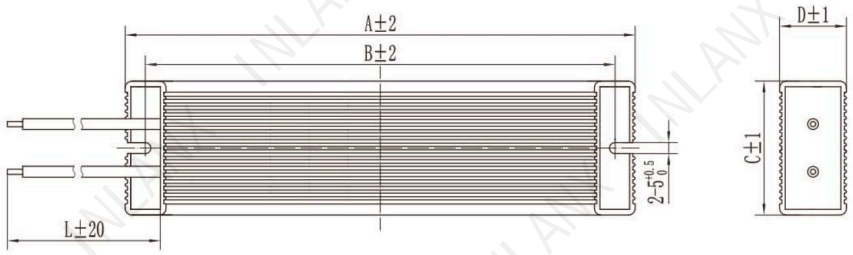
RXG14P Aluminum Housed Wirewound Resistor

Outline Drawing





Quality grade QB; detail specification Q/RU 631-2024; general specification GB/T 5729-2003.

Dimensions • mm

Model / Power	A	B	C	D	L	Lead area
RXG14P-40W/60W	115	98	40	20	330	1.5mm²
RXG14P-80W	137	123	40	20	330	1.5mm²
RXG14P-100W	165	147	40	20	330	1.5mm²
RXG14P-120W	190	173	40	20	330	1.5mm²
RXG14P-150W/160W	215	197	40	20	330	1.5mm²
RXG14P-200W	165	147	60	30	600	2mm²
RXG14P-300W	215	197	60	30	600	2mm²
RXG14P-400W	265	247	60	30	600	2mm²
RXG14P-500W	335	317	60	30	600	2mm²

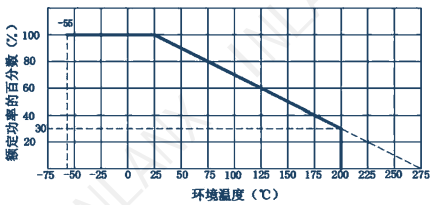
Electrical Specifications

Model / Power	Resistance Ω	Tolerance	Temp. °C / Limit voltage
RXG14P-40W/60W	0.3~2.9k	±5%	300V
RXG14P-80W	0.4~4.2k	±5%	500V
RXG14P-100W	0.7~5k	±5%	600V
RXG14P-120W	1~5k	±5%	700V
RXG14P-150W/160W	1.3~5k	±5%	800V
RXG14P-200W	1.2~5k	±5%	800V
RXG14P-300W	2.1~5k	±5%	1000V
RXG14P-400W	1.4~5k	±5%	1200V
RXG14P-500W	3.2~5k	±5%	1500V

Main Inspection Items

Item	Test method	Requirement
Terminal strength	20N along lead, 10s	No visible damage; ΔR≤±(1%R+0.05Ω)
Temperature cycling	-55 to +200°C, 30min at each extreme, 2 cycles	No visible damage; ΔR≤±(2%R+0.05Ω)
Damp heat	40±2°C, RH90–95%, 96h	No visible damage; ΔR≤±(5%R+0.1Ω)
Random vibration	10–500Hz, 0.35mm, 50m/s², two sweeps, 23min, 3 axes	No visible damage; ΔR≤±(2%R+0.05Ω)
Insulation resistance	500VDC between leads and case	≥1GΩ
Dielectric withstand	≤160W: 1000VAC; ≥200W: 2000VAC, 1min	No breakdown/arcing; leakage ≤5mA
Short-time overload	Lesser of 10× rated-power test voltage or limiting voltage, 5s	No visible damage; ΔR≤±(10%R+0.05Ω)
Short-time load	20–35°C, lesser of rated or limiting voltage, 96h; 1.5h on/0.5h off	No visible damage; ΔR≤±(10%R+0.1Ω)

Derating Curve



Ordering Information

RXG14P-200W-10Ω-J-17-200-N/300-M

Model / power / resistance / tolerance / lead code / lead 1 length and terminal / lead 2 length and terminal. J±5%; K±10% (P type J only). 01=1.5mm², 17=2mm², 07=4mm² where applicable; N=no terminal, M=RV2-6, E=RV2-4, V=RV2-5.