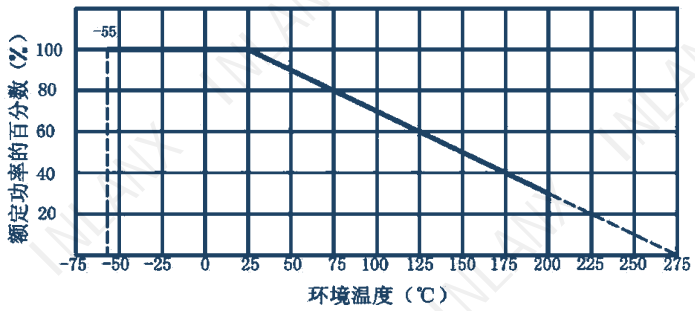
RXG14A Aluminum Housed Wirewound Resistor

Derating Curve





Quality grade QB, J; detail specification Q/RU 550-2018; general specification GB/T 5729-2003.

Dimensions • mm

RXG14A-1 is the side-plate sealed type; source drawing includes Figures A and B.

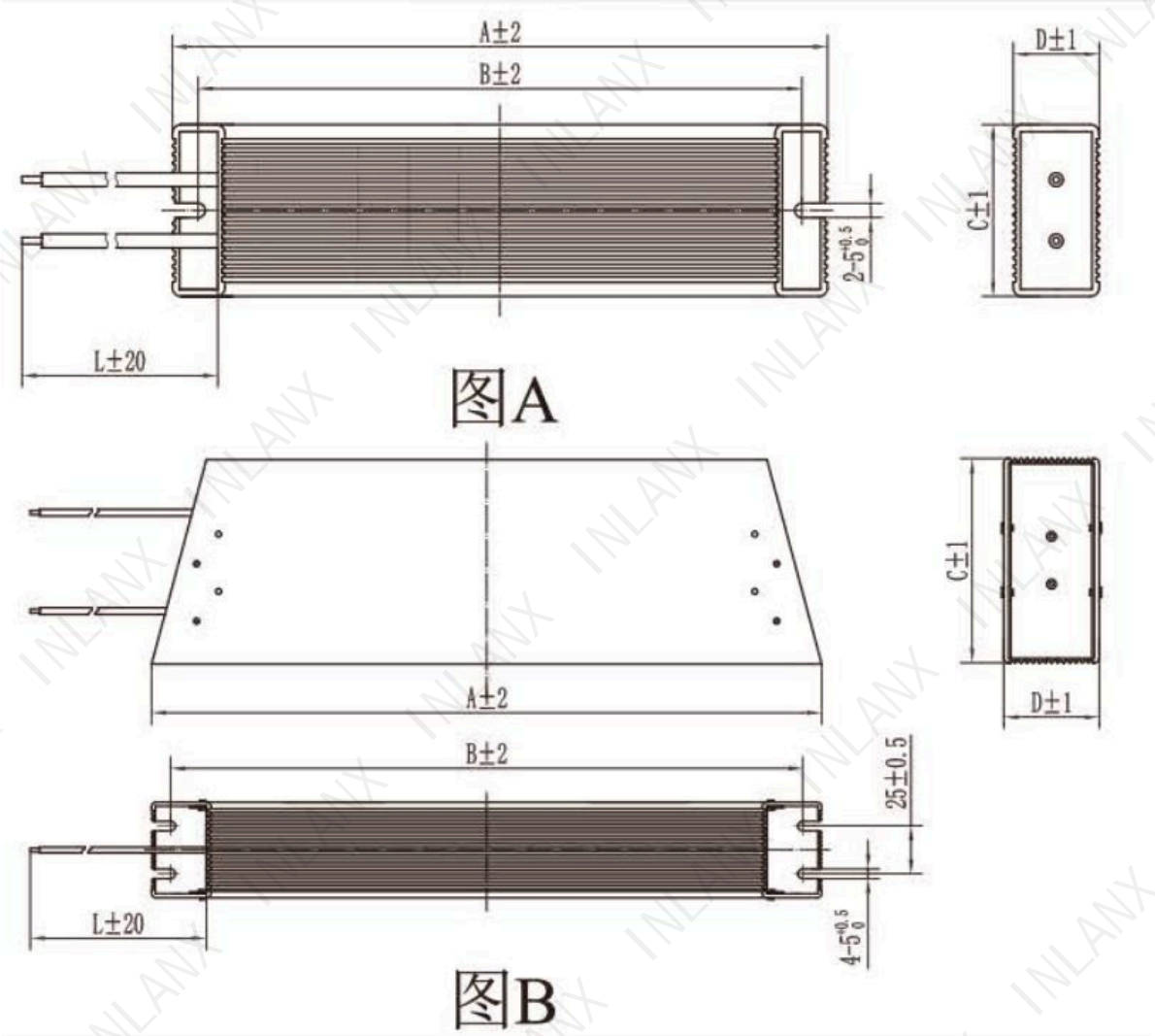
Model / Power	A	B	C	D	L	Lead area
RXG14A/RXG14A-1-40W/60W	115	98	40	20	330	1.5
RXG14A/RXG14A-1-80W	137	123	40	20	330	1.5
RXG14A/RXG14A-1-100W	165	147	40	20	330	1.5
RXG14A/RXG14A-1-120W	190	173	40	20	330	1.5
RXG14A/RXG14A-1-150W/160W	215	197	40	20	330	1.5
RXG14A/RXG14A-1-200W	165	147	60	30	600	2
RXG14A/RXG14A-1-300W	215	197	60	30	600	2
RXG14A/RXG14A-1-400W	265	247	60	30	600	2
RXG14A/RXG14A-1-500W	335	317	60	30	600	2
RXG14A-1-800W	400	382	61	59	600	4mm²
RXG14A-1-1000W	400	384	61	59	600	4mm²
RXG14A-1-1200W	450	434	107	50	600	4mm²
RXG14A-1-1500W	485	470	107	50	600	4mm²
RXG14A-1-2000W	550	532	107	50	600	4mm²

Electrical Specifications

Model / Power	Resistance Ω	Tolerance	Temp. °C / Limit voltage
RXG14A/RXG14A-1-40W/60W	0.1~6k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-80W	0.5~4.5k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-100W	0.5~3.6k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-120W	1.2~3k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-150W/160W	1.5~2.5k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-200W	0.7~6.8k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-300W	1~8k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-400W	1.5~9k	±5%, ±10%	-55~200
RXG14A/RXG14A-1-500W	2~7.2k	±5%, ±10%	-55~200
RXG14A-800W	2~4.5k	±5%, ±10%	-55~200
RXG14A-1000W	3~3.6k	±5%, ±10%	-55~200
RXG14A-1200W	3~3k	±5%, ±10%	-55~200
RXG14A-1500W	4~2.4k	±5%, ±10%	-55~200
RXG14A-2000W	5~1.8k	±5%, ±10%	-55~200

RXG14A Aluminum Housed Wirewound Resistor

Outline Drawings A / B (Enlarged)



Main Inspection Items

Item	Test method	Requirement
Terminal strength	25N, 10s	No visible damage; ΔR≤±(1%R+0.05Ω)
Insulation resistance	500±50VDC	≥1GΩ
Dielectric withstand	≤160W: 2000V; ≥200W: 3000V, 1min	No breakdown/arcing; leakage ≤5mA
Steady damp heat	40±2°C, RH90–95%, 504h	No visible damage; ΔR≤±(5%R+0.05Ω)
Thermal shock	-55 to +200°C, 5 cycles	No visible damage; ΔR≤±(2%R+0.05Ω)
Random vibration	50–2000Hz, 2(m/s²)²/Hz, 62.1m/s², 15min × 3 axes	No visible damage; ΔR≤±(1%R+0.1Ω)
Life	25°C, UR, 1000h intermittent	No visible damage; ΔR≤±(10%R+0.1Ω)

Ordering Information

RXG14A-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.