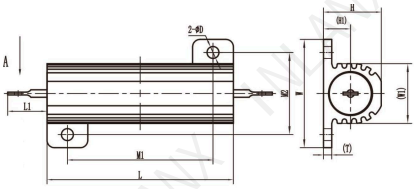
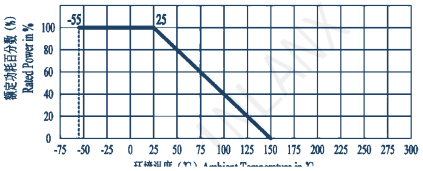
RX24P Wirewound Fixed Resistor

Outline Drawing



Derating Curve





Grade QB; detail specification Q/RU 630-2024; general specification GB/T 5729-2003.

Dimensions A • mm

Power W	L	W	Hmax	M1	M2
5	15.5±0.3	16.5±0.3	9	11.3±0.3	12.5±0.3
10	19±0.3	20.5±0.5	10	14±0.3	16±0.3
20/25	27±0.3	27.5±0.5	14	18±0.3	20±0.3
50	50±0.5	29±0.5	15.8	39.7±0.5	22±0.5

Dimensions B • mm

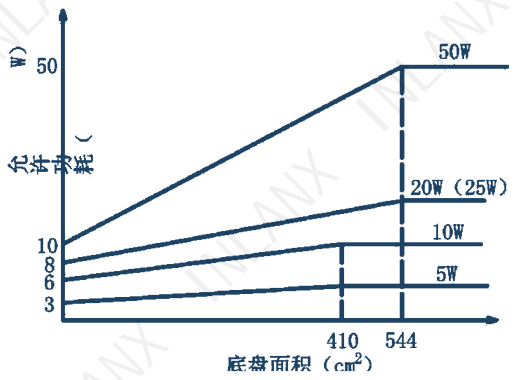
Power W	ΦD	ΦD1	L1	H1	T	W1
5	2.4±0.1	1.3±0.3	7±1.5	4.2	1.8	8.5
10	2.2±0.1	1.3±0.3	8.6±1.5	4.5	2	10.5
20/25	3.2±0.1	2±0.3	10.8±2	6.25	2.2	14
50	3.2±0.1	2±0.3	10.5±2.5	7.25	2.2	16

Electrical Specifications

Tolerance ±5%(J), ±10%(K); working temperature -55 to 150°C; TCR ≤±500×10□□/K at R≥10Ω; below 10Ω not assessed.

Power W	Resistance Ω
5	0.5–150
10	0.5–280
20/25	0.5–530
50	0.5–1600

Chassis Area Derating



RX24P Wirewound Fixed Resistor

Main Inspection Items

Item	Method	Requirement
Insulation resistance	500±50V, V-block method	Ri≥100MΩ
Short-time load	25±10°C, UR, 100h	ΔR≤±(5%R+0.05Ω)
Dielectric withstand	5–25W 1000VAC; 50W 2000VAC; 1min	No breakdown or flashover
Low pressure	5–25W 300VDC; 50W 400VDC; 1kPa, 1min	No breakdown or flashover
Vibration	50Hz 98m/s² 1h each axis; 10–500Hz 98m/s² twice each axis, 23min each	ΔR≤±(1%R+0.05Ω)
Solderability	235±5°C, 5–10s, flat part fully immersed	Tin coverage ≥95%
Terminal strength	1kg static axial load on terminals	ΔR≤±(0.5%R+0.05Ω)
TCR	-55 to 150°C	R≥10Ω: ≤±500×10□□/K; R<10Ω not assessed
Steady damp heat	40±2°C, RH93±3%, 48h	ΔR≤±(1%R+0.05Ω), Ri≥10MΩ
Bump	40–80/min, 147m/s², 3000 times	No damage; ΔR≤±(1%R+0.05Ω)
Temperature cycling	-55 to 150°C, 3 cycles	ΔR≤±(3%R+0.05Ω)

Ordering Information

RX24P-5W-50Ω-J

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