RX7S/10S

Coated Fixed Wirewound Resistors

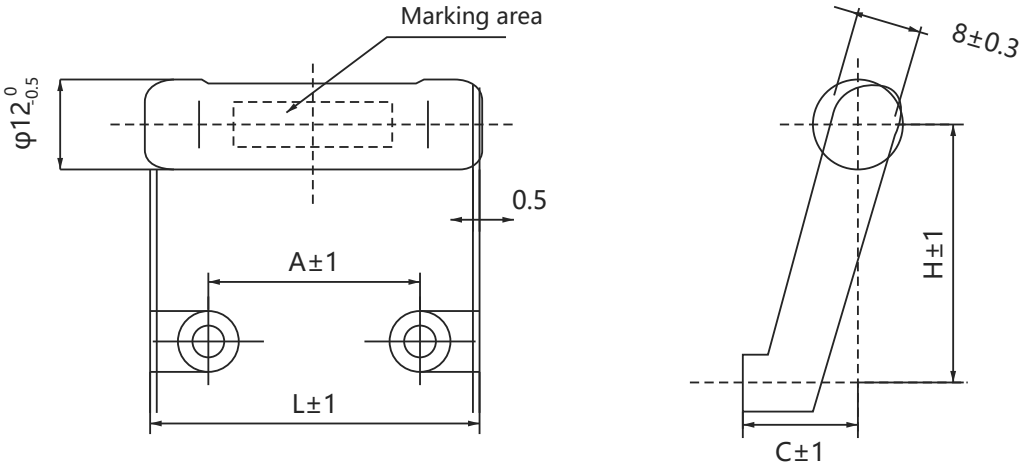
Product Introduction

• Features: Radial leads and screw mounting. Coated surface, high-temperature resistance and flame retardance.

• Applications: Telecommunications instruments and electronic equipment; generally used in DC or low-frequency circuits.



Dimensions



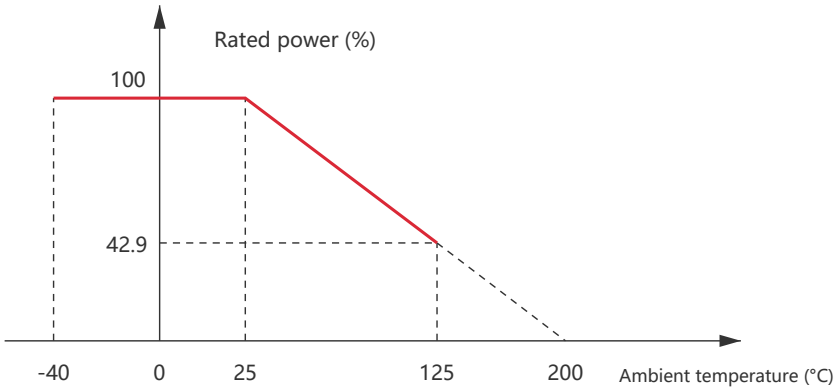
Specifications

Model	Rated power (W)	Resistance range (Ω)	Dimensions (mm)			
			L	A	H	C
RX7SR-10W	10	0.15 ~ 10	40	22.2	21	15
RX10SR-7W	7	0.15 ~ 33	47	31.8	21	15
RX10SRH-10W	10	0.15 ~ 40	50	31.8	21	12

Main Test Items

Test item	Test conditions	Requirement	Test standard
Resistance change with temperature	Lower category temperature: (-40±3) °C; upper category temperature: (+125±2) °C	±500ppm/°C	GB/T 5729-2003, 4.8
Overload	10 times rated power for 5s	ΔR≤±(5%R+0.05Ω)	GB/T 5732-1985, 2.3.4
Temperature rise	Ambient: (15 ~ 30) °C, rated power	≤200°C	GB/T 5729-2003, 4.14
Terminal strength	Tensile force: 1W ~ 6W: 10N; 8W ~ 12W: 20N; 10s	ΔR≤±(2%R+0.05Ω)	GB/T 2423.29-1999
Rapid temperature change	Range: (-40 ~ +125) °C, 5 cycles	ΔR≤±(2%R+0.05Ω)	GB/T 2423.22-2002
Room-temperature endurance	Ambient: (15 ~ 35) °C, rated power, 1.5h on / 0.5h off, 1000h	ΔR≤±(5%R+0.1Ω)	GB/T 5729-2003, 4.25

Power Derating Curve



Ordering Example

RX7SR	10W	10Ω	±5%	1000 pcs
Model	Rated power	Nominal resistance	Tolerance	Quantity