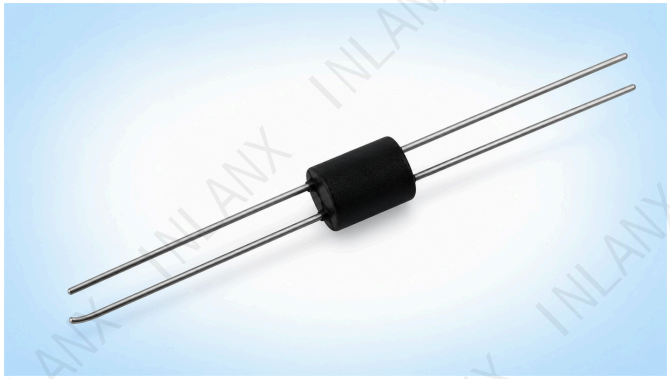
RXM14 Small Molded Four-terminal Ignition Resistor

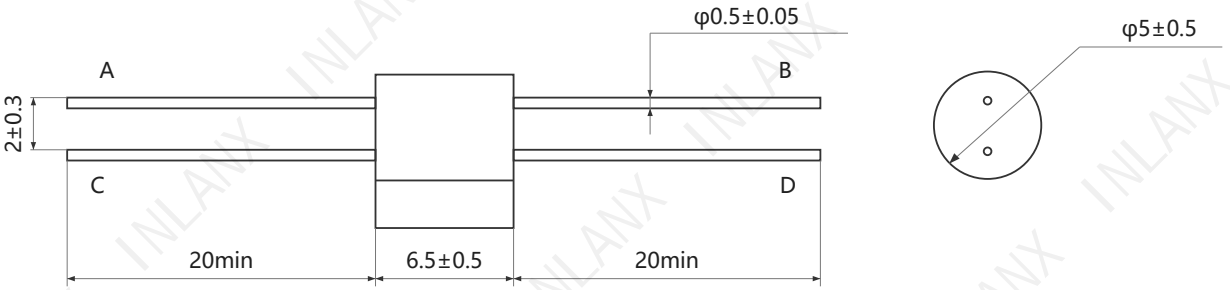
Product Overview

• Features: compact size, high specific power, low weight and relatively low cost. Plastic-encapsulated molded construction; high resistance accuracy and insulation strength; excellent moisture resistance.

• Applications:



Outline Dimensions • mm



Specifications

Model	Rated power (W)	Nominal resistance (Ω)
RXM14	2×(1/4)	R (AB)=R (CD)=27Ω

Main Test Items

Test item	Test conditions	Performance requirements	Test standard
Insulation resistance	Voltage: 500Vdc, 1min, V-block method	≥1GΩ	GB/T 5729-2003, 4.6
Voltage withstand	Voltage: 500Vac, 1min, V-block method	No breakdown or flashover	GB/T 5729-2003, 4.7
Resistance change with temperature	Lower category temperature: (-55±3)°C; upper category temperature: (+125±2)°C	±200ppm/°C	GB/T 5729-2003, 4.8
Overload	Condition 1: 0.2A/5min; condition 2: 0.8A/100ms	ΔR≤±(1%R+0.05Ω)	GB/T 5732-1985, 2.3.4
Terminal strength	Pull force: 5N, 10s	ΔR≤±(1%R+0.05Ω)	GB/T 2423.29-1999
Solderability	Bath temperature: (235±5)°C; immersion time: (2±0.5)s	Uniform tin wetting, free flow	GB/T 2423.28-2016
Rapid temperature change	Temperature range: (-55 ~ +155)°C, 5 cycles	ΔR≤±(1%R+0.1Ω)	GB/T 2423.22-2012
Shock	Acceleration: 490m/s²; duration: 11ms; half-sine wave	ΔR≤±(1%R+0.05Ω)	GB/T 2423.05-1995
Vibration	Frequency: (10 ~ 500)Hz; acceleration: 10g; 1h	ΔR≤±(1%R+0.05Ω)	GB/T 2423.10-2008
Endurance at room temperature	Ambient: (15 ~ 35)°C; rated power; 1000h	ΔR≤±(5%R+0.1Ω)	GB/T 5729-2003, 4.25

Ordering Example

RSM14	2X1/4W	2X27Ω	±3%	1000 pcs
Model	Rated power	Nominal resistance	Resistance tolerance	Quantity