

Datasheet

RS Pro RS Series Axial Carbon Resistor 22k Ω \pm 5% 2W - 500 \rightarrow +350ppm/ $^{\circ}$ C

RS Stock No: 707-8921



Product Details

RS Pro axial carbon resistor with \pm 5% tolerance, provides 22 k Ω resistance and is power rated at 2 W. The temperature coefficient of resistance is in the range -500 to +350 ppm/ $^{\circ}$ C. Carbon film axial leaded resistor offers excellent long-term stability. It features standard solder-plated copper leads. Applications include automotive, telecommunication and medical equipment. A comprehensive range of high stability carbon film resistors are qualified and tested to the requirements of IEC 115 and IEC 115-2. The ruggedized welded cap and lead method of manufacture provides a considerable strength and resistance to damage. The coating materials and the colour bands are epoxy resin and are highly resistant to solvents, abrasion and chipping. Improvements in materials and processing have allowed the rated power to be improved. Excellent stability against changes in load conditions or moisture levels, with a low noise level and high reliability make these carbon film resistors suitable for a wide range of applications. Rated at 70 $^{\circ}$ C in free air mounted horizontally.

Features and Benefits

- Available in resistances from 1 Ω to 9.1 m Ω
- Resistor body: 2.3 mm diameter, 6.3 mm length
- Long-term stability
- Solder plated copper leads

**Specifications:**

Case Style	Ceramic
Diameter	4.5 mm
Dimensions	4.5 (dia.) x 11.5 mm
Lead Diameter	0.78 mm
Length	11.5 mm
Maximum Operating Temperature	+155°C
Maximum Temperature Coefficient	+350 ppm/°C
Minimum Operating Temperature	-55°C
Minimum Temperature Coefficient	-500 ppm/°C
Power Rating	2 W
Resistance	22 kΩ
Technology	Carbon Film
Temperature Coefficient	-500 to +350 ppm/°C
Termination Style	Axial
Tolerance	±5%
Maximum Overload Voltage	1000 V
Lead Length	35 mm
Maximum Operating Voltage	500 V