

Features

- High power dissipation and low resistance values
- Resistance value from 0.5mΩ~2mΩ
- Electron beam welding, stable performance
- Excellent long-term stability
- RoHS compliant

RS PRO Surface Mount Resistors

RS Stock No: 253-7207, 253-7208, 253-7209, 253-7210, 253-7211, 253-7212, 253-7213, 253-7214, 253-7215



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Use RS PRO SMD resistors which are high-power metal shunt resistors designed to operate at high temperatures and can handle power ratings up to several watts. They are often used in applications where accurate measurement of current is required, such as in power supplies and battery chargers. A key feature of a shunt resistor is its ability to dissipate heat efficiently, they also have a low-temperature coefficient, which ensures accurate measurement over a wide range of temperatures.

General Specifications

Resistance	0.5mΩ~2mΩ
Technology	Manganin Alloy, or NiCr Alloy
Package/Case	1050, 1575

Electrical Specifications

Power Rating	4W, 6W
Tolerance	±1%
Minimum Operating Temperature	-55°C
Maximum Operating Temperature	125°C
Temperature Coefficient	60ppm/°C, 75ppm/°C, or 100ppm/°C

Mechanical Specifications

Resistor	
Dimensions 1050	5.6±0.15 x 6.2±0.3 x 2.7±0.3
Dimensions 1575	5.6±0.15 x 8.75±0.3 x 5.2±0.3
Mounting Style	Surface Mount

Similar Products

RS stock no	Resistance	Temperature Coefficient
2537215	0.5mΩ	100ppm/°C
2537213	2mΩ	100ppm/°C
2537212	0.5mΩ	75ppm/°C
2537211	0.5mΩ	75ppm/°C
2537209	2mΩ	100ppm/°C
2537208	1mΩ	60ppm/°C
2537214	2mΩ	100ppm/°C
2537207	1mΩ	60ppm/°C
2537210	2mΩ	100ppm/°C
2537216	0.5mΩ	100ppm/°C