

Current Sense

## FEATURES

- Thin Film
- 0805 Package
- TCR  $\pm 50$  PPM / °C
- Tolerance 0.5%
- Power rating – 0.125W
- $\Omega = 1R$

## RS PRO Chip Resistor

RS Stock No.: 2414908



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

# Surface Mount Resistor

## Product Description

*A series of Thin Film surface mount Current sense chip resistors. Packages that include 0603, 0805, 1206, 2010 and 2512 covers power ratings ranging from 0.1W to 3W measured at 70°C Current sense resistors can also be referred to as shunt resistors. The resistors have very low resistance enabling them to minimise power consumption which in turn helps eliminate any risk of component / equipment damaging short circuits. They detect and convert current to a measured output voltage.*

*Applications that include over current protection for audio, DC DC converters, Voltage regulation modules, charging modules, battery packs and adaptors.*

## General Specifications

|                           |                     |
|---------------------------|---------------------|
| <b>Substrate material</b> | High Purity Alumina |
|---------------------------|---------------------|

## Mechanical Specifications

|                  |                      |
|------------------|----------------------|
| <b>Packaging</b> | Paper Tape 10 pieces |
|------------------|----------------------|

## Electrical Specifications

|                             |              |
|-----------------------------|--------------|
| <b>Operating Temp range</b> | -55 to 155°C |
|-----------------------------|--------------|

## Approvals

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Declarations</b>                 | MFR Declaration of Conformity |
| <b>Hazardous Area Certification</b> |                               |

**Similar Products**

| Stock No. | Brand  | Product Name  | Ohmic value | Package | Power Rating |
|-----------|--------|---------------|-------------|---------|--------------|
| 2414907   | RS PRO | Current sense | R500        | 0805    | 0.125W       |
| XXX-XXXX  | RS PRO |               |             |         |              |

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories