POWERED BY Panasonic Electronic Components

ERJ-S6 Series Line Extension

Anti-Sulfur Thick Film Chip Resistors

High Performance and Corrosion Tolerant in 0805 Case Size for Low Ohmic Application

Panasonic, a worldwide leader in Resistor Components, is adding the **ERJ-S6 Series** low-resistance type to its successful line of ERJ-S and ERJ-U Anti-Sulfur Thick Film Chip Resistors. The **ERJ-S6 Series** covers the resistance range from 100mΩ to 1Ω in E24 values, with a good TCR of ±150x10-6/°C and high power rating of 0.25W, at the 0805 EIA case size (2012 in metric). Resistance tolerances are available in ±1%, ±2% and ±5% for applications in various precision levels. The **ERJ-S6 Series** is designed with Ag-Pd-based inner electrodes. This characteristic along with the temperature range of -55°C to +155°C make this product ideal for corrosion-prone applications such as outdoor products, industrial equipments (welding, mining, winery, agriculture), automotive/transportation equipments, telecommunication equipment, and factory automation. The expanded resistance values allow low-ohmic (current sense) design usage of cost-effective resistors in these critical applications, particularly in the DC-DC switch power circuit areas.

This offering compliments Panasonic's existing ERJ-S and ERJ-U anti-sulfur thick film chip resistor product family, which includes resistance range from 1Ω to 10MΩ, EIA case sizes from 0201 to 2512, and power rating from 0.05W to 1W, with both gold-based and Silver-Palladium-based inner electrode designs.

Features:

- Low Resistance of 100mΩ to 1Ω, with Tolerances ±1 %, ±2 %, ±5 %
- EIA Case Size 0805
- Power Rating of 0.25W at 70°C
- Temperature Coefficient (TCR): ±150x10-6 ppm/°C
- Operating Temperature Range: -55°C to +155 °C
- Supports 260°C Maximum Temperature For Lead-Free Soldering Process
- RoHS Compliant

Benefits:

- Sulfur Resistance in Harsh Environments
- Low Ohmic Resistance Values for Design Flexibility
- Good TCR and High Rated Power

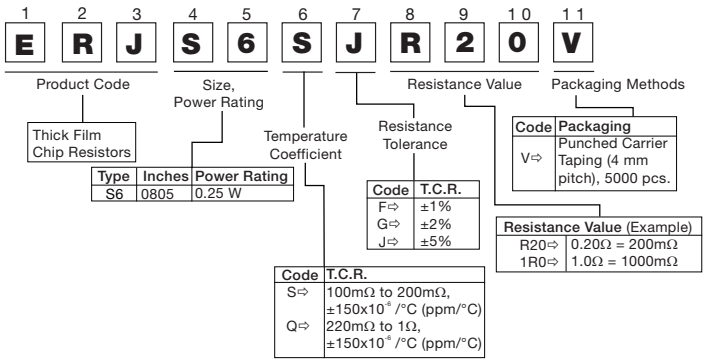
Industries:

- Outdoor Environment
- Oil-Rich Environment
- Automotive
- Industrial
- Factory Automation

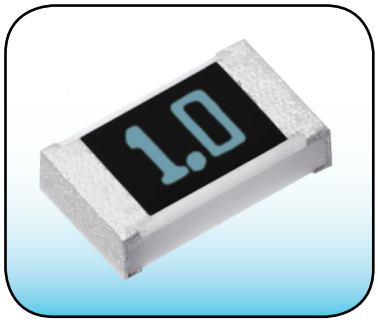
Applications:

- Low Ohmic / Current Sense Function
- DC-DC Conversion

Part Number Information:



Additional Information:



For detailed specification information the ERJ-S6 Series Anti-Sulfur Thick Film Chip Resistors Line Extension, please visit panasonic.com/industrial/components/pdf/ERJ-S6_Datasheet.pdf today!

Website: panasonic.com/industrial/electronic-components/resistive-products/index.aspx

Panasonic ideas for life

www.panasonic.com/industrial/electronic-components
piccomponentsmarketing@us.panasonic.com
1-800-344-2112

EC-ERJ-S6 NPI Rev 1.2, FY11-059-XXX