

Using breakthrough technology,
we aim for products that will create new markets.
New Product News

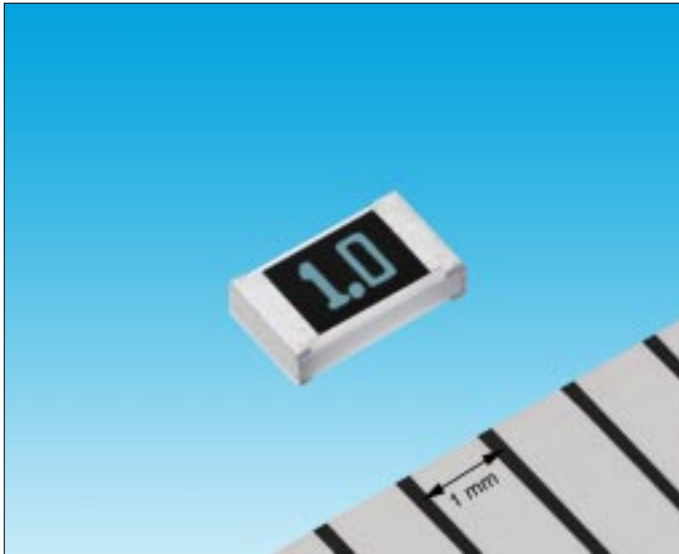
Expanding the product line-up of low resistance type chip resistor

Thick Film Chip Resistor

0805 Anti-Sulfurated Thick Film Chip Resistor
(Low Resistance Type)

Industry/Field: Mobile communications, Car electronics,
Industrial equipment

High performance and anti-corrosion in a sulfurated atmosphere



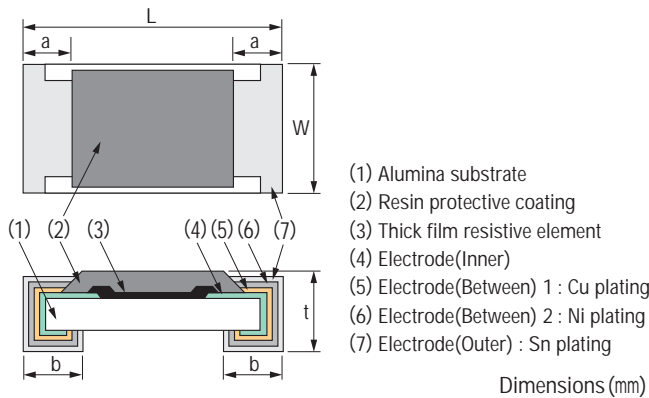
• Development Target:

Anti-sulfurated resistors are favorable for devices used outside such as cell stations or machine tools used with oil. However, low resistance type (100mΩ to 1Ω) had not been available so far. This product is aiming to meet such demand mentioned above.

• Features:

- 1 High anti-corrosion resistor (100mΩ to 1Ω)
- 2 Good TCR : ±150 (×10⁻⁶/°C)
- 3 High rated power : 0.25W (70°C)

• Construction:



Series	L	W	a	b	t
ERJS6	2.00 ±0.20	1.25 ±0.10	0.45 ±0.20	0.45 ±0.20	0.55 ±0.10

• Characteristics/specifications:

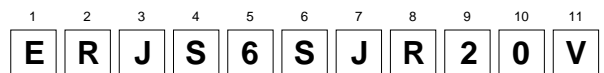
Series	ERJS6 Series
Resistance Range	100 mΩ to 1Ω (E24)
Resistance Tolerance	±1%, ±2%, ±5%
Power Rating	0.25W
TCR*	±150×10 ⁻⁶ /°C
Category Temperature Range	-55°C to +155°C

*TCR(Temperature Coefficient of Resistance)

• Applications/usage examples:

- Machine tools
- Automotive applications

• Explanation of part numbers:



Thick Film Chip Resistors	Type: 0805 inch size Power Rating: 0.25W	Resistance Tolerance F: ±1% G: ±2% J: ±5%	Resistance Value (Example) R20 → 0.20Ω = 200 mΩ 1R0 → 1.0Ω = 1000 mΩ
	Resistance Range/TCR S: 100mΩ to 200mΩ / ±150×10 ⁻⁶ /°C Q: 220mΩ to 1Ω / ±150×10 ⁻⁶ /°C	Packaging Methods Punched Carrier Taping 4 mm pitch, 5000pcs.	