

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



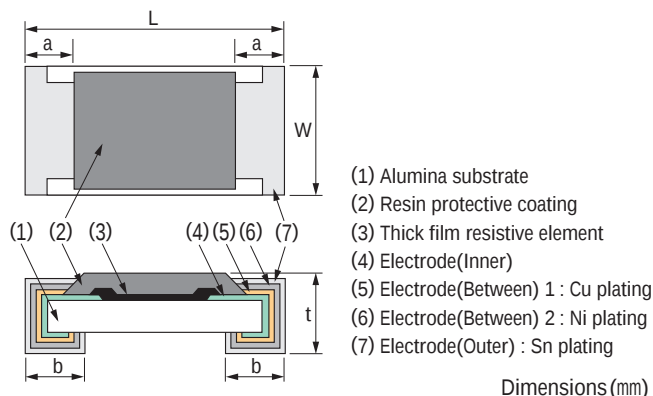
• Development Target:

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

• Features:

- 1 High anti-corrosion resistor (100 mΩ to 1 Ω)
- 2 Good TCR : $\pm 150 (\times 10^{-6}/^{\circ}\text{C})$
- 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 1 Ω (E24)
Resistance Tolerance	$\pm 1\%$, $\pm 2\%$, $\pm 5\%$
Power Rating	0.25W
TCR*	$\pm 150 \times 10^{-6}/^{\circ}\text{C}$
Category Temperature Range	-55 °C to +155 °C

*TCR(Temperature Coefficient of Resistance)

• Applications/usage examples:

- Machine tools
- Automotive applications

• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10	11		
E	R	J	S	6	S	J	R	2	0	V		
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 0.220mΩ to 1Ω/±150×10 ⁻⁶ /°C											Packaging Methods Punched Carrier Taping 4 mm pitch, 5000 pcs.	