

*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

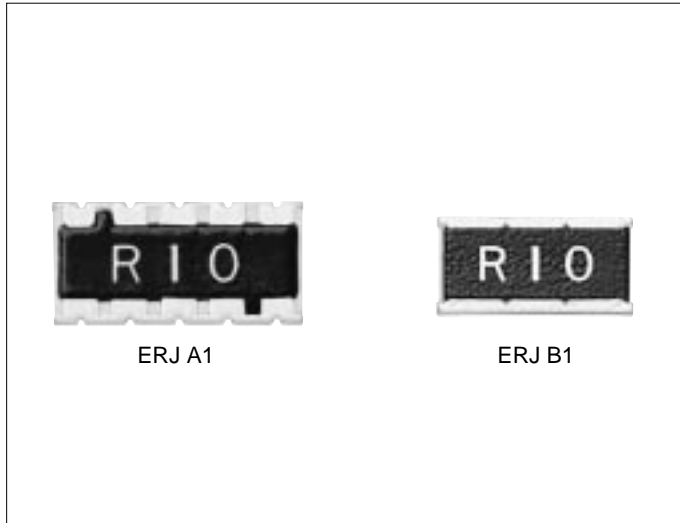
Expansion of variety of product (Current size: 6432(2512) size)

Thick Film Chip Resistor

**5025(2010) size High-Power Chip Resistor,
Wide Terminal Type**

Industry/Field: Automotive electronics, Power supply circuits
Industrial equipment, AV, Information, Amusement

Superior solder-joint reliability by wide terminal structure



Development Target:

To satisfy needs of downsizing and anti-heat shock characteristics of 1W power rating chip resistor in design of automotive electronic circuits including ECUs and power supply circuits.

Features:

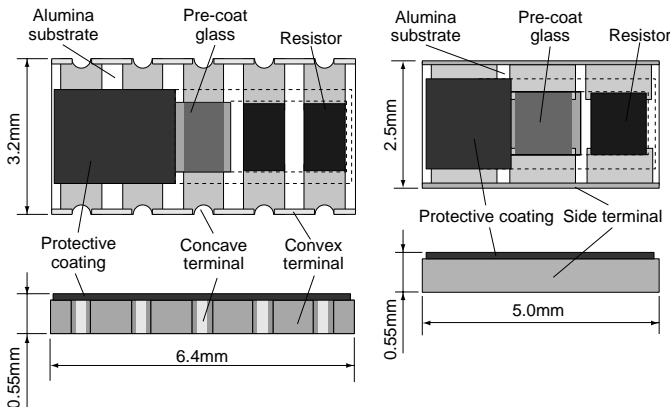
- ① Superior solder-joint connection reliability by wide terminal structure
- ② High-power in compact size (1W power rating in 5025(2010) size)
- ③ Realization of low resistance value to 10mΩ

Number of industrial property rights: 1

Construction:

6432(2512)ERJA1 series

NEW 5025(2010) ERJB1 series



Characteristics/specifications:

Part Number	ERJA1 series	NEW ERJB1 series
Size (L × W × t)	6.4mm×3.2mm×0.55mm	5.0mm×2.5mm×0.55mm
Resistance range	10mΩ to 10kΩ	10mΩ to 10kΩ
Resistance tolerance	±1%(R≥100mΩ),±2%, ±5%	±1%(R≥100mΩ),±2%, ±5%
Power rating	1.33 W	1 W
TCR (Temperature Coefficient of Resistance)	±200×10 ⁻⁶ /°C(±2%,±5% product) ±100×10 ⁻⁶ /°C(±1% product) (R<100mΩ:±350×10 ⁻⁶ /°C)	±200×10 ⁻⁶ /°C(±2%,±5% product) ±100×10 ⁻⁶ /°C(±1% product) (R<100mΩ:±400×10 ⁻⁶ /°C)
Limiting element voltage	200V	200V
Maximum overload voltage	400V	400V
Category temperature range	-55°C to +155°C	-55°C to +155°C

Applications/usage examples:

- Automotive electronic circuits including ECUs and air-bag systems, Power supply circuits of a variety of equipment, Current sensing

Explanation of part numbers:

