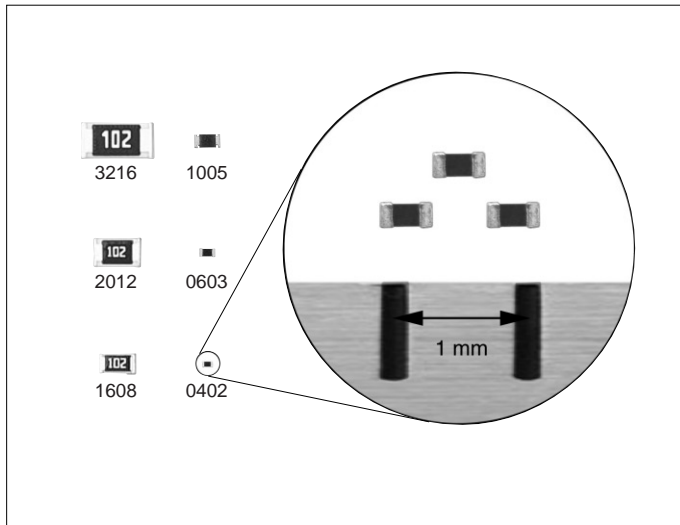# Panasonic

The industry's smallest size

**Thick Film Chip Resistor**

**0402(01005) Size
Thick Film Chip Resistor**

Industry/Field:     **Module, Mobile communications**

# It reduces the mounting occupation area by the industry's smallest size.
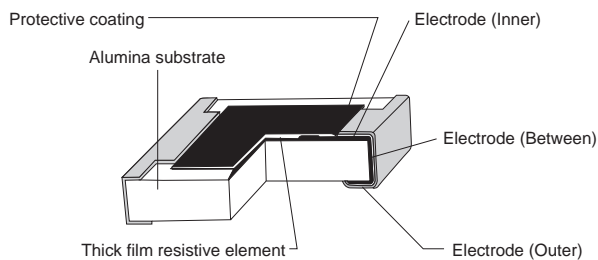


- **Development Target:**
The module for small communication equipment

- **Features:**

**1** **Contributes to the reduction in the mounting occupation area.**

**2** **Enables narrow pitch mounting by accuracy size.**

**3** **Achieved high reliability with metal graze resistive element.**

- **Number of industrial property rights:** **12(Pending)**

- **Construction:**



- **Characteristics/specifications:**

| Series | ERJXGE Series |
|---|---|
| Dimension | L 0.4mm×W 0.2mm×t 0.13mm |
| Resistance Range | 10Ω to 1MΩ |
| Resistance Tolerance | ±5% |
| Power Rating (70°C) | 0.031W |
| Limiting Element Voltage (Max.RCWV) | 15V |
| Max. Overload Voltage | 30V |
| T.C.R. | $10\Omega$ to $91\Omega$:$\pm300\times10^{-6}$/°C<br>$100\Omega$ to $1M\Omega$:$\pm200\times10^{-6}$/°C |
| Category Temp.Range (Operating Temp. Range) | −55°C to +125°C |

- **Applications/usage examples:**
- **The small modules;VCO(Voltage Controlled Oscillators),PA(Power Amp) etc.**

- **Explanation of part numbers:**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| E | R | J | X | G | E | J | 1 | 0 | 2 | Y |

Thick Film
Chip Resistors

Power Rating 0.031W

Resistance
Tolerance

Resistance Value   Package

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