

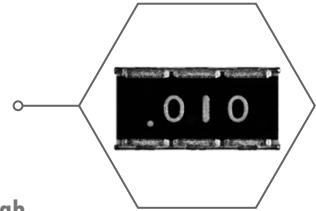
## New Product Introduction

### ERJ-D1 and ERJ-D2 Series

#### Low TCR High Power Current Sensing Chip Resistors, Wide Terminal Type

##### High Power Current Detection In A Small Case Size!

Panasonic, a worldwide leader in Resistor Products, introduces the **NEW ERJ-D1 and ERJ-D2 Series Low TCR High Power Current Sensing Chip Resistors, Wide Terminal Type**. The **NEW ERJ-D1 and ERJ-D2 Series** products achieve high power and low TCR ( $\pm 100 \times 10^{-6}/^{\circ}\text{C}$ ) using a wide terminal electrode structure and original materials. These Resistors are suitable for small size/high power current detection. Their low TCR enables high accuracy of current detection. The **New ERJ-D1 Series** features higher rated power at 2W in a 1020 case size while the **NEW ERJ-D2 Series** features 1W in a 0612 case size. AEC-Q200 Compliance and IEC 60115-8, JIS C 5201-8 and EIAJ RC-2134B Reference Standards for the entire **ERJ-D1 and ERJ-D2 Series** of Low TCR High Power Current Sensing Chip Resistors from Panasonic ensures optimal quality and reliability.



### Features

- ERJ-D1 Series - 1020 Size, 2W, 100ppm, 10m Ohm to 200m Ohm
- ERJ-D2 Series - 0612 Size, 1W, 100ppm, 10m Ohm to 200m Ohm
- 100ppm under 10m Ohm to 200m Ohm Using Panasonic's Thick Film Technology
- Wide Terminal Construction
- Achieves High Power And Low TCR ( $\pm 100 \times 10^{-6}/^{\circ}\text{C}$ ) Using Wide Terminal Electrode Structure And Original Material
- Suitable For Small Size/High Power Current Detection
- High Solder-Joint Reliability By Wide Terminal Construction
- Excellent Heat Dissipation Characteristics By Wide Terminal Construction
- Resistance Tolerance:  $\pm 1\%$  and  $\pm 5\%$
- Suitable For Both Reflow And Flow Soldering
- Operating Temperature Range:  $-55^{\circ}\text{C}$  to  $155^{\circ}\text{C}$
- AEC-Q200 Compliant
- RoHS / REACH Compliant
- Reference Standards: IEC 60115-8, JIS C 5201-8 and EIAJ RC-2134B

### Industries

- Automotive
- General Industries
- Home Appliance
- Telecommunication, Computing

### Benefits

- Low TCR Enables High Accuracy Of Current Detection
- Lowest TCR By The Thick Film Technology With Low Resistance, Has Cost Benefit Than The Metal Film Technology
- High Solder-Joint Reliability By Wide Terminal Construction.
- Excellent Heat Dissipation Characteristics By Wide Terminal Construction
- Higher Rated Power Than The Conventional Terminal Type
- AEC-Q200 Compliance Ensures Strict Quality Control Standards Are Being Enforced

### Applications

- Automotive Applications Including ECUs (Electrical Control Unit), Anti-Lock Breaking Systems, Air-Bag Systems, etc.
- General Application Including Measurement Equipment, FA, Tooling Devices, etc.
- Home Appliance Applications
- Telecommunication And Computing Applications Including Tablet And Notebook PCs