High Power Current Sensing Resistors
ERJD1/ERJD2

Panasonic INDUSTRY

Best-in-class for high demanding applications

The ERJD series achieves high power and low TCR using a wide terminal electrode structure. Wide terminal construction means that the terminals are on the long side of the body. In combination with a parallel internal structure of two or three resistors, this ensures high solder-joint reliability and excellent heat dissipation. Additionally, low TCR makes this series precise and suitable for high power current detection. The series comes in two sizes with resistance range of 10 mΩ to 200 mΩ and power up to 2 Watts.

Key Features

- High solder-joint reliability by wide terminal construction
- Excellent heat dissipation characteristics by wide terminal construction
- Soft resin technology for best solder joint reliability
- Suitable for small size/high power current detection
- Power rating of up to 2 W
- Resistance range of 10 mΩ to 200 mΩ (E24)
- Low TCR of ±100 ppm/°C
- Tolerance of 1% to 5%
- Ambient temperature -55 + 155 °C
- AEC-Q200 compliant

Automotive

- Electronic control unit (ECU)
- Anti-lock braking system
- Headlights

Industrial

- Power supply
- DC/DC converter
- Motor control

Building Automation

- Inverter
- Power supply

For further Information, please contact resistor@eu.panasonic.com