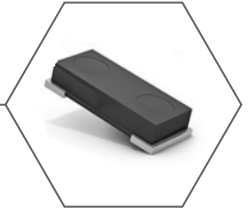


New Product Introduction

ERJ-MB1 Series Metal Plate Type, Current Sensing Resistors



ERJ-MB1 Series 1020 Current Resistor, Metal Plate Type, Wide Terminal

Panasonic, a worldwide leader in Resistor Products, introduces the **NEW ERJ-MB1 Series** Metal Plate Type, Wide Terminal Current Sense Resistors. This Series is a new product category for Panasonic at the 1020 case size. The New **ERJ-MB1 Series** parts provide higher power and lower resistance than the same size Thick Film Type Resistor. **ERJ-MB1 Series** Resistors offer an outer resin with high heat dissipation realizing a wide range of operational temperature from -65°C to $+170^{\circ}\text{C}$. AEC-Q200 Compliance and TS 16949 certification for the entire **ERJ-MB1 Series** of Current Sense Resistors from Panasonic ensures optimal quality and reliability.

Features

- Industry Popular Foot Print, Metal Plate Material
- Excellent Thermal Diffusion and Radiation
- Smaller Case Size With High Power
- Outer Resin With High Heat Dissipation
- Wide Operating Temperature Range: -65°C to $+170^{\circ}\text{C}$
- High Solder-Joint Reliability By The Wide Terminal
- AEC-Q200 Compliant
- RoHS Compliant
- ISO9001, ISO/TS16949 Certified

Benefits

- Broad range of part numbers available for easy replacement from existing sources.
- Reduce the Solder-Joint Crack after PCB Expansion and Contraction to Achieve High Reliability
- Lower TCR Than Thick Film: $\pm 75\text{ppm}$ vs. $\pm 350\text{ppm}$
- Lower Resistance Than Thick Film Resistors
- Long Stability In High Temperature Environments
- Most stable resistance under high temperature ($+170^{\circ}\text{C}$) when compared with alternative products
- AEC-Q200 Compliance Ensures Strict Quality Control Standards Are Being Enforced.

Applications

- Wide Variety of Applications (ECU, BMS, Divider Circuit, Etc.)
- Wide Variety of Applications (Measurement Equipment, FA, Tooling Devices, Etc.)
- Smartphone, Tablet PC, Notebook PC
- General Applications

Industries

- Industrial
- Automotive
- Home Appliance
- Telecommunication
- Computing