Panasonic

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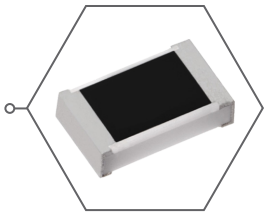
New Product Introduction

ERJ-PM8 Series Anti-Surge Thick Film Chip Resistors



Panasonic's Latest High Precision, High Voltage, and High Resistance AEC-Q200 Resistor

Offering a 500 V Limited Element Voltage, a 1% Resistance Tolerance, a ±100ppm TCR, and a 1MΩ~10MΩ High Resistance Value Range

Panasonic, a worldwide leader in Resistor Products, announces the new **ERJ-PM8 Series Anti-Surge Thick Film Chip Resistors** with exceptional ESD surge characteristics compared to Standard Metal Film Resistors. These new Resistors help reduce the need for high resistance value resistors. Panasonic's ERJ-PM8 Series offers high precision, high voltage, and high resistance with a limited element voltage of 500 V, a 1% resistance tolerance, a TCR of ±100ppm, and a high resistance value range of 1MΩ~10MΩ.

Panasonic's ERJ-PM8 Series is suitable for both reflow and flow soldering. Offering high reliability, the ERJ-PM8 Series features a metal glaze, a thick film resistive element with three layers of electrodes. It has a unique inner pattern that improves anti-ESD characteristics, all in a small-size 1206 case size SMD package. Panasonic's soft-terminal technology is highly resistant to solder joint crack risks.

Features and Benefits

- High Resistance and High Voltage for PCB Downsizing
- High Power and Automotive-Grade Suitable for Demanding Applications
- ±100ppm TCR and 500 V Limited Element Voltage Provides Cost Savings
- Soft-Terminal Electrode Reduces Solder Joint Crack Risks
- IEC 60115-8, JIS C 5201-8 and, JEITA RC-2134V Reference Standard
- AEC-Q200 and RoHS Compliant

Industries

- Automotive
- EV and EV Charging
- Industrial
- Appliances
- Automated Building Management

Applications

- Battery Management Systems (BMS)
- Automotive Power Inverters
- On-Board Charger (OBC)
- Residential Fuel Cell Systems for High Voltage Monitoring