Panasonic
INDUSTRY

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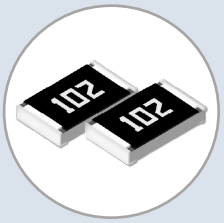
New Product Introduction

Thin Film Chip Resistors (High Resistance and High Voltage Type) ERA-8X



Panasonic, a world leader in Resistive Products, is pleased to announce the new **Thin Film Chip Resistors (High Resistance and High Voltage Type) ERA-8X Series**. These new Resistors are engineered for demanding high-voltage applications that require exceptional accuracy, long-term stability, and robust environmental performance.

The **ERA-8X Series Thin Film Chip Resistors** utilize a newly developed resistive material to deliver resistance values up to 10 MΩ, a high 750 V limiting element voltage, and outstanding durability through 1,000 rapid temperature cycles from -55°C to +155°C. Its wide high-resistance range makes it ideal for high-voltage sensing and voltage divider circuits in battery management systems (BMS) and other power applications, while helping reduce component count and overall system cost

For engineers seeking to maximize performance and reliability in demanding applications, the **ERA-8X Series Thin Film Chip Resistors** are a proven solution that helps simplify designs while delivering long-term field performance.

Features

- High Voltage – Achieves High Limiting Element Voltage with Original Design Concept (750V)
- High Reliability – Stable at High Temperature and Humidity 85ºC 85%RH Rated Load, Category Temperature Range -55ºC to +155ºC
- High Accuracy – Low Resistance Tolerance and Temperature Coefficient of Resistance
- High Performance – Low Current Noise, Excellent Linearity
- Anti ESD – Original Structure for High ESD Performance AEC-Q200-002 HBM Guarantee at 4 kV
- Anti-Sulfurated – Original Structure for Sulfurated Performance
- RoHS Compliant

Benefits

- Suitable for Use in High-Voltage Circuits Such as BMS
- A Wide Range of High Resistance Values Enables Reduction in Component Count
- High Resistance to ESD damage
- Highly Resistant to Solder Joint Cracking

Industries

- Automotive
- ICT
- Robotics

Applications

- Operational Amplifier
- Amplification Circuits
- Voltage Divider Circuits
- Voltage and Current Sensing Circuits

REACH COMPLIANT

RoHS COMPLIANT

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