New Product Introduction

EEH-ZU(U) Series (SMD, High Temp. Reflow) Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

Panasonic's Newest Anti-Vibration Hybrid Capacitors for High Capacitance Requirements of up to 1,000μF in a Small Case Size

Featuring High Ripple Current and Low ESR with High Endurance Rating of 125°C at 4,000 hours

Panasonic, a worldwide leader in Capacitor Products, announces the New EEH-ZU(U) Series (SMD, High Temp. Reflow) Conductive Polymer Hybrid Aluminum Electrolytic Capacitors featuring the largest capacitance of the current polymer capacitor product lines. The EEH-ZU(U) Series Capacitors feature the highest ripple current handling capability of 6.1 ARMS maximum, a 60% increase over our previous series, at 125°C and 135°C, along with a high capacitance value of 1,000μF maximum, an 80% increase over our previous series, and the lowest ESR value of 8mΩ minimum. The EEH-ZU(U) Series also exhibits exceptionally high endurance with 4,000 hours at 125°C and 135°C. The new EEH-ZU(U) Series Capacitors can decrease the PCB area by up to 40% by reducing the capacitors required on the board.

The EEH-ZU(U) Series is AEC-Q200 Compliant and ideal for several "under the hood" Automotive, Telecommunication, Industrial, and General Power Applications.

Features and Benefits

- Rated Voltage of 25 ~ 63VDC
- Endurance Rating: 125°C/135°C for 4,000 hours
- AEC-Q200 Compliant
- Higher Ripple Current up to 6.1A
- Capacitance 120μF ~ 1000μF
- Best in Class ESR min. 8mΩ
- Super Low Leakage Current
- 30G Vibration-Proof Parts Available

Industries

- Automotive
- Industrial
- Telecommunication
- Power Supply

Applications

- Automotive
  - Electric Power Steering
  - 48V Inverter ISG/BSG
  - 48V E-compressor
  - High Current DC/DC Converters
  - ADAS
- Telecommunication
  - DC/DC Converters
  - AC/DC Converters in Base Stations, Servers, Routers, etc.
  - Motor Inverters
- Industrial/Power Supply
  - DC Side of Inverter Circuit
  - DC Side of Rectifier Circuit