

### 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 1,000 $\mu$ F 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 1,000 $\mu$ F maximum, an 80% increase over our previous series, and the lowest ESR value of 8m $\Omega$  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 120 $\mu$ F ~ 1000 $\mu$ F
- Best in Class ESR min. 8m $\Omega$
- 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

