

High Performance Hybrid Capacitor ZS Series

Panasonic
INDUSTRY



Ideal for vehicle electrification

Vehicle electrification has increased the need for the miniaturization, weight reduction of ECUs and stabilization measures for power supply circuits. Capacitors mounted in power supply circuits are now increasingly required to respond to a large current and capacity. ZS Series Hybrid Capacitors are capable of operating at high temperatures and are able to withstand a higher ripple current and larger capacitance compared to previous series. With the automotive sector in mind, the ZS-Series covers 25 to 63V, with a capacitance range covering 560 μ F, an even lower ESR down to 11m Ω with ripple current of 4.0A r.m.s.. Vibration proof variants up to 30g are also available.

Key Features

- AEC-Q200 compliant
- High capacitance: 150 μ F - 560 μ F
- High ripple current: up to 4A
- Low ESR
- Vibration proof
- Temperature range: -55 $^{\circ}$ C to 125 $^{\circ}$ C
- Endurance: 4000h at 125 $^{\circ}$ C
- Rated voltage: 25V - 63V
- Size: 10x16.5 / 10x12.5



Power Train

- 48V Inverter
- Transmission ECU
- Engine ECU



Body

- LED Light
- Electrical compressor
- Engine cooling fan



Comfort & Safety

- Electric Power Steering
- Braking Systems
- ADAS Systems



For further Information, please contact capacitor@eu.panasonic.com