Panasonic Industry Europe GmbH

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**Enhanced Electrolytic Polymer Hybrid performance: Panasonic Industry unveils ZV Series**  
The EEH-ZV Series (SMD, High Temp. Reflow) is AEC-Q200 compliant with higher Ripple Current and lower ESR, catering to diverse applications

Munich, February 2024

Panasonic introduces the new ZV Series, an advanced Electrolytic Polymer Hybrid capacitor, setting new industry standards as regards:

**Higher Ripple Current**: Achieving a maximum Ripple Current (3.3~4.6 Arms) approximately 50% higher than comparable case-sizes from competitors, the ZV Series ensures superior performance in demanding applications.

**Lower ESR (Equivalent Series Resistance):** While comparable capacitors usually come up with a ESR of around 16 mΩ at 35V, the ZV series has a significantly lower ESR of 12 mΩ at this voltage – and thus enhances efficiency and reliability in electronic systems.

This capacitor is AEC-Q200 compliant, enforcing stringent quality control standards, particularly crucial for the automotive industry. It boasts high-temperature endurance, one of the industry's highest ratings at 4000 hours at 135°C and 125°C. With a focus on durability, the ZV Series offers vibration-proof variants capable of withstanding shocks up to 30G, making it a reliable choice.

The ZV Series finds its applications in various "under the hood" scenarios, including water pumps, oil pumps, cooling fans, high-current DC to DC converters, and ADAS applications. It is also suitable for use in inverter power supplies for robotics, cooling fans, solar power systems, and more, covering the DC side of both inverter and rectifier circuits.  
  
Briefly summarized: For various application purposes, Panasonic's ZV Series is the ideal choice when it comes to achieving optimal performance and longevity.  
  
Learn more about Panasonic’s entire portfolio of [Electrolytic Polymer Hybrid caps](https://industry.panasonic.eu/products/components/capacitors/hybrid-capacitors#surface-mount-type-line-paragraph-4354538).

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the five major operating companies within Panasonic Holding. Panasonic Industry Europe provides products and services for industrial customers all over Europe.   
Panasonic Industry Europe is committed to enabling customers to achieve their goals in a broad range of industrial sectors such as mobility, infrastructure, automation, medical, appliances, smart living, and security. With the know-how of devices and solution technologies, cultivated through a global mindset and over a century of tradition, Panasonic Industry collaborates closely with customers to create a sustainable future.

Panasonic Industry Europe’s broad and diverse product portfolio encompasses key electronic component sectors including electromechanical and passive components, batteries and other energy products, sensors and wireless connectivity modules, thermal management materials and custom solutions, as well as automation devices & solutions.

More about Panasonic Industry Europe: <http://industry.panasonic.eu>

**About the Panasonic Group**

Founded in 1918 and today a global leader in developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, industry, communications, and energy sectors worldwide, the Panasonic Group switched to an operating company system on April 1, 2022, with Panasonic Holdings Corporation serving as a holding company and eight companies positioned under its umbrella.

The Group reported consolidated net sales of Euro 59.40 billion (8,378.9 billion yen) for the year ended March 31, 2023. To learn more about the Panasonic Group, please visit: <https://holdings.panasonic/global/>