**Panasonic Industry Europe expands its Conductive Polymer Hybrid Capacitor portfolio**

Smaller size of ZS-Series, a high capacitance and ripple current ratings series, is suitable for miniaturized trend

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Panasonic Industry Europe is expanding its Conductive Polymer Hybrid Capacitors SMD portfolio with a smaller size variant of ZS series.

The new ZS-Series not only expands the capacitance range and doubles ripple current capability, but is also rated at 4,000 hours endurance at 125°C. The ZS Series brings new case sizes, keeping the same footprint (ø10mm) and introducing the 12mm in length in addition to 10x16mm.

Developed with the automotive sector in mind, devices in the ZS-Series range from 25V to 63V, with a capacitance range covering 560uF, an even lower ESR down to 11mΩ with ripple current of 4 Arms. As well as saving space, the lower ESR and higher ripple enhance filter and DC-link circuits in automotive control and powertrain applications. The new series further hones the potential of Hybrid Conductive Polymer capacitors as effective replacements for the difficult to source and soon-to-be-phased out larger MLCCs, offering a reliable and proven alternate vis-à-vis lytics in tighter spaces or tantalums in higher frequency circuits. All the ZS Series products are fully RoHS and REACH compliant and also AECQ-200 compliant.

Yusuke Nagata, Product Marketing Manager at Panasonic comments: “The effect of the smaller size of ZS Series is to deliver higher performance while keeping the premium PCB real estate in check with a few millimeters leeway in height. At the 63V line level, ZS series with case size 10x12.5 offers a 100µF capacitor which is one of the highest capacitance values available in this class right now, and there is already strong interest from customers due to 48V battery system load dump requirements”.

Further information can be found [here.](https://industry.panasonic.eu/productfinder?series=ZS+%28High+temp.+reflow%29&mode=FILTER_MODE)

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**About Panasonic**

Panasonic Corporation is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, and B2B businesses. The company, which celebrated its 100th anniversary in 2018, has expanded globally and now operates 528 subsidiaries and 72 associated companies worldwide, recording consolidated net sales of 61.9 billion Euro for the year ended March 31, 2020. Committed to pursuing new value through innovation across divisional lines, the company uses its technologies to create a better life and a better world for its customers.

To learn more about Panasonic: <http://www.panasonic.com/global>

**About Panasonic Industry Europe**

Panasonic Industry Europe GmbH is part of the global Panasonic Group and provides automotive and industrial products and services in Europe. As a partner for the industrial sector, Panasonic researches, develops, manufactures and supplies technologies that support the slogan “A Better Life, A Better World”.

The company’s portfolio covers key electronic components, devices and modules up to complete solutions and production equipment for manufacturing lines across a broad range of industries. Panasonic Industry Europe is part of the global company Panasonic Industrial Solutions.

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