Panasonic Industry Europe GmbH

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**New SP-Caps feature longest lifetime and lowest ESR in the market**
Panasonic Industry releases new TX, TZ, JZ and KZ series, extending the highly demanded KX series of SP-Caps

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Panasonic Industry recently released the new TX, TZ, JZ and KZ series of SP-Caps and extended popular KX series of SP-Caps. The chip-type capacitor series all benefit from the longest lifetime plus the lowest ESR values currently available on the market. Damp heat performance is also very good with 85°C, 85%RH, 1000 hours. All components are highly reliable which means there is no maintenance required during their lifetime. Thanks to their low profiles the SP-Caps can be designed-in close to heat sinks. Main target applications are 5G base stations, AI server and industrial equipment.

Beyond the fact that with **TX** series Panasonic Industry has reached the edge of technology in terms of reliably withstanding up to 5500 hours at 135°C with a maximum capacitance of 470µF while offering ESR values as low as 3mΩ, the related **TZ** series is the ideal choice for customers that require more capacitance up to 560uF, coming with the same specs and in the same compact height of 2.2mm as TX series.

In addition, for less harsh environments, Panasonic Industry offers **JZ** series with 3000 hours at 125°C and **KZ** series with 5500 hours at 125°C with capacitance ranging up to 560µF and a maximum height of only 2.3mm. Rated voltage is between 2V up to 6.3V. ESR values are between super-low 3mΩ and 15mΩ.

Comments Shahrokh Kananizadeh, Senior Product Manager at Panasonic Industry: “Our SP-Caps are rectangular chip-shaped aluminum solid capacitors that use a polymer as its electrolyte. The products all benefit from great features like ultra-low ESR and very large capacitance values, low profiles, very long life span and high characteristic stability.”

To learn more about Panasonic Industry’s new SP-Caps ranges please visit: <https://industry.panasonic.eu/products/components/capacitors/polymer-capacitors/sp-cap>

**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/>