



Toshiba Launches Ultra-Low Current Consumption CMOS Operational Amplifier

New device contributes to longer operating time for battery-powered equipment

Düsseldorf, Germany, 27th October 2020 – Toshiba Electronics Europe GmbH ("Toshiba") has released a new CMOS operational amplifier featuring ultra-low current consumption to its product line-up.

Operational amplifiers have a multitude of uses including boosting weak signals from sensors. To support longer use between charges of battery-operated equipment, including IoT edge devices and other mobile devices such as handheld POS terminals they must also deliver lower current consumption.

Toshiba has used its CMOS process technology to optimize the circuitry of the new TC75S102F operational amplifier thereby lowering its power consumption to ultra-low levels. With a supply voltage between 1.5V and 5.5V, the new device is a full-range (rail-to-rail) input/output operational amplifier that offers higher performance than its predecessor. The supply current (I_{DD}) will never exceed 0.6 μ A and is typically half that figure at just 0.27 μ A.

The new TC75S102F is supplied in a SOT-25 package measuring just 2.9mm x 1.6mm x 1.1mm. Shipments start today.

Additional information for this device is available from:

<https://toshiba.semicon-storage.com/eu/semiconductor/product/linear-ics/operational-amplifiers-and-comparators/detail.TC75S102F.html>

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#) (Toshiba). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. Next to HDDs, the company's broad portfolio encompasses power semiconductors and other discrete devices ranging from diodes to logic ICs, optical semiconductors as well as microcontrollers and application specific standard products (ASSPs) amongst others.

TEE has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing marketing, sales and logistics services. The company president is Mr. Tomoaki Kumagai.

For more company information visit TEE's web site at www.toshiba.semicon-storage.com.

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