



Toshiba develops low reverse-current Schottky diode with improved thermal performance

New packaging design provides 50% reduction in thermal resistance compared to conventional USC packaging

Düsseldorf, Germany, 10 July 2018 – Toshiba Electronics Devices & Storage Europe announces the launch of their new Schottky barrier diode product “CUHS10F60”. The device is targeted at applications such as rectification and backflow prevention in power supply circuits.

The new CUHS10F60 features a low thermal resistance of 105°C/W in its newly developed US2H package that has the packaging code “SOD-323HE”. The package’s thermal resistance has been reduced by about 50% compared to the conventional USC package, enabling easier thermal design.

Further improvements in performance have also been made when compared to other family members. In comparison to the CUS04 Schottky diode, the maximum reverse current has been reduced by around 60% to 40µA. This contributes to a lower power consumption in applications where it is used. In addition, its reverse voltage has been increased from 40V to

60V. This increases the range of applications where it can be used compared to the CUS10F40.

The CUHS10F60 is available and shipping in production quantities as of today.

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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](#). 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. The company's broad portfolio encompasses integrated wireless ICs, power semiconductors, microcontrollers, optical semiconductors, ASICs, ASSPs and discrete devices ranging from diodes to logic ICs.

TEE has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Tomoaki Kumagai

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