



### **Toshiba Expands Line-up of New-generation Transistor Arrays**

*A total of 11 new products deliver additional functionality and 40% power saving*

**Düsseldorf, Germany, 22<sup>nd</sup> November 2017** – Toshiba Electronics Europe today announced that it is adding 11 products to its line-up of new-generation transistor arrays equipped with DMOS FET outputs, capable of delivering high-voltage, large-current drive up to 50V/0.5A.

The new devices expand the 37 products that are already part of the TBD62xxxA series, which have found wide application in areas including motors, relays, LEDs, and level shifters for control communication lines.

The 18 new devices meet customer requirements for a wider variety of input and output methods and functions. Current products are mainly High-active (H-active) type products where the output is turned on when the input is high. Toshiba is now adding Low-active (L-active) products where the output is turned on if the input is low. Due to their open-drain configuration, L-active products are very well suited to level shifters for control and communication lines in industrial equipment and home appliances.

Toshiba is also adding the TBD62381A series, which reduces power consumption by modifying the characteristics of the TBD62083A series. The next generation transistor arrays

in the TBD62XXX series reduce power by approximately 40% when compared to the TD62XXX series.

The new devices offer two output types: a source output for switching power supplies and a sink output used for ON / OFF control. Dynamic control of LED matrices can be achieved by combining source and sink output types.

The new line-up includes DIP packages, which are popular in industrial equipment; SOL packages that support surface mounting, and tiny SSOP packages (0.65 mm pin pitch) that deliver space savings in set-top products.

Sample shipments start today, and the 11 new products will be introduced sequentially.

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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.

Formed in 1973 in Neuss, Germany, TEE has headquarters in Düsseldorf, Germany, with branch offices in Germany, France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Akira Morinaga.

For more company information visit TEE's web site at [www.toshiba.semicon-storage.com](http://www.toshiba.semicon-storage.com).

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