



Toshiba launches high-voltage dual-channel solenoid driver IC

New device offers an energy and cost efficient alternative to obsolete devices from other manufacturers

Düsseldorf, Germany, 26th September 2019 – Toshiba Electronics Europe GmbH has launched a dual-channel solenoid driver IC that provides a high-voltage drive with low ON resistance.

The new TB67S112PG driver IC is suited to a wide variety of applications including domestic appliances (air-conditioners and refrigerators), industrial equipment (banking terminals such as ATMs, office automation equipment, and factory automation equipment).

Toshiba's solenoid driver IC lineup currently includes 4- and 8-channel devices (TB67S111PG and TB67S158NG/FTG). The new TB67S112PG completes the lineup, by providing support for dual-channel applications at a lower price point.

The new device incorporates two channels, each consisting of a low-side MOSFET and a regenerative common diode that can independently drive a solenoid or relay at voltages up to 50V. A low ON resistance of only 0.3Ω allows for a higher output voltage, resulting in higher motor torque, and reducing heat generation during motor operation. Safe

operation is enabled through the provision of overcurrent detection (ISD), under voltage lockout (UVLO) detection and thermal shutdown detection (TSD), which, additionally, sets a flag to notify the system controller of a thermal shutdown event.

Mass production of the TB67S112PG starts today.

For more information about the new product and the wider line-up, please visit:

<https://toshiba.semicon-storage.com/eu/product/linear/motordriver/detail.TB67S112PG.html>

<https://toshiba.semicon-storage.com/eu/product/linear/motordriver/detail.TB67S111PG.html>

<https://toshiba.semicon-storage.com/eu/product/linear/motordriver/detail.TB67S158FTG.html>

<https://toshiba.semicon-storage.com/eu/product/linear/motordriver/detail.TB67S158NG.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](#). 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

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

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September 2019

Ref. 7230/A