



Toshiba's Announces New Dual-Channel H-bridge Motor Driver IC with PWM Control

Meeting the modern requirements of mains-, 5V USB- and battery-powered equipment

Düsseldorf, Germany, 4th November 2020 – Toshiba Electronics Europe GmbH ("Toshiba") has further expanded its portfolio of driver solutions for brushed DC and stepper motors with the introduction of the TC78H660FNG. This H-bridge motor driver IC, which is based on the company's latest generation DMOS process, can deliver a PWM-controlled current of 2A (maximum). Running off a 2.5V to 16V input supply voltage, it can drive two brushed DC motors or a single stepper motor.

The on-resistance of this driver at typical operating conditions is just 0.48Ω. This is highly advantageous from a thermal management perspective, as there is considerably less heat that needs to be dissipated - thereby leading to system cost and space savings.

The TC78H660FNG driver is suitable for a broad spectrum of potential applications - such as mobile devices running off a 3.7V Li-Ion battery and 5V USB-powered equipment, as well as 12V-rated household appliances. Supporting energy efficient operation, it has ultra-low current requirements when in standby mode, drawing 0.1μA. An array of safety features have been incorporated. These include under-voltage lockout, over-current detection and thermal shut down. Keeping PCB utilization to a minimum, this IC is supplied in a compact 5.0mm x 6.4mm TSSOP16 package.

For more information, please visit:

<https://toshiba.semicon-storage.com/eu/semiconductor/product/motor-driver-ics/brushed-dc-motor-driver-ics/detail.TC78H660FNG.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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