



Toshiba Introduces High-Current Photorelay Optimised for Industrial Implementation

100V rated device in compact DIP4 package covers wide control range

Düsseldorf, Germany, 8th February 2021 – Toshiba Electronics Europe GmbH (“Toshiba”) has just announced a new addition to its expansive optoelectronics portfolio. The TLP241B is a high-current Photorelay, targeted at use in industrial equipment, such as programmable logic controllers (PLCs) and I/O interfaces, as well as building automation systems like HVAC (heating, ventilation and air conditioning).

By incorporating one of Toshiba’s ultra-advanced U-MOS MOSFETs, the TLP241B sets new performance benchmarks. It is the first photorelay device on the market to have an off-state output terminal voltage spanning all the way from 40V to 100V. As a result, it has the capacity to replace larger scale electro-mechanical relays, providing a more reliable, cost-effective and space-saving alternative. By relying on a non-contact optical arrangement rather than moving parts, engineers can benefit from longer operational lifespan, reduced system complexity and more rapid responsiveness.

In addition, the TLP241B possesses other key attributes that will boost its appeal. The device has an on-state current rating of 2A (continuous) and 6A (pulsed). It also offers 5kV isolation capabilities, with an operating temperature range between $-40\text{ }^{\circ}\text{C}$ and $110\text{ }^{\circ}\text{C}$. This new photorelay is housed in a DIP4 package. Gull wing options are available to facilitate surface mounting.

For more information, please visit: <https://toshiba.semicon-storage.com/eu/semiconductor/product/optoelectronics/photorelay-mosfet-output/detail.TLP241B.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's president is Mr. Tomoaki Kumagai.

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

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