



Toshiba's compact new photorelays feature maximum turn on time of only 0.25ms

Aimed at applications in testing, these space saving devices are 20% smaller than company's previous generation

Düsseldorf, Germany, 14th June 2023 – Toshiba Electronics Europe GmbH ("Toshiba") has just introduced the TLP3476S. This new photorelay has a maximum turn-on time of 0.25ms - which is a 50% reduction over the company's existing TLP3475S photorelay and enables greatly improved switching capabilities. Available in an S-VSON4T package, it comprises a photo-MOSFET which is optically coupled with an infrared (IR) LED. With an on-state resistance of just 1.5Ω (maximum), this device delivers a 0.4A on-state current. It supports a 500Vrms isolation voltage.

Toshiba's TLP3476S takes up 1.45mm × 2.0mm of board space, as compared to the 60mm² normally required by a mechanical relay. Switching power is in the order of 0.1mW, as opposed to the 100mW required to cause mechanical devices to switch. An operational temperature range of -40°C to 110°C is supported.

Applications for the TLP3476S include semiconductor tester equipment (high-speed memory testers, high-speed logic testers, etc.), probe cards and other types of measurement instrumentation.

Find out more about Toshiba's TLP3476S at: <https://toshiba.semicon-storage.com/eu/semiconductor/product/isolators-solid-state-relays/photorelay-mosfet-output/detail.TLP3476S.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. 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 website at www.toshiba.semicon-storage.com.

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