



Toshiba launch high current photorelays in DIP4 package

Advanced performance and extended temperature enables easier use

Düsseldorf, Germany, 30th July 2018 – Toshiba Electronics Europe (“Toshiba”) has launched two new high current photorelays that are fabricated using the latest U-MOS IX semiconductor process.

The new TLP3553A and TLP3555A devices feature OFF-state output terminal voltage ratings of 30 V and 60 V, and ON-state continuous current ratings of 4 A and 3 A – higher than previous generation products. When operated in pulsed mode, the current ratings increase to 9 A for both devices.

Common applications for these devices include industrial equipment (PLCs, I/O interface, sensor controls), building automation systems (heating, ventilation and air conditioning [HVAC]), security equipment and the replacement of mechanical relays in legacy systems.

The TLP3553A features a low ON-state resistance of just 50mΩ (max.) which is less than a typical mechanical relay (about 100mΩ). This ensures that operating losses are kept to a minimum when the device is used to replace mechanical relays such as 1-Form-A that are commonly used in industrial applications. The photorelays are rated for operation at

temperatures between -40°C and +110°C, making it easy to achieve a thermal margin in designs.

When mechanical relays are replaced with photorelays, such as the TLP355xA devices, then system reliability is immediately improved. As the photorelays are physically smaller than a mechanical relay, and no additional driver is required, then space and weight is also saved. Both TLP3553A and TLP3555A are provided in a DIP4 package both with and without surface mount option.

Both devices are now shipping in production quantities

Follow the link below for more information on the new products and photorelays line-up.

<http://toshiba.semicon-storage.com/eu/product/opto/photocoupler/detail.TLP3553A.html>

<http://toshiba.semicon-storage.com/eu/product/opto/photocoupler/detail.TLP3555A.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.

Contact details for publication:

Toshiba Electronics Europe GmbH, Hansaallee 181, D-40549 Düsseldorf, Germany

Tel: +49 (0) 211 5296 0 Fax: +49 (0) 211 5296 79197

Web: www.toshiba.semicon-storage.com/eu/company/news.html

E-mail: discrete-ic@toshiba-components.com

Contact details for editorial enquiries:

Michelle Shrimpton, Toshiba Electronics Europe GmbH

Tel: +44 (0)193 282 2832

E-mail: MShrimpton@teu.toshiba.de

Issued by:

Birgit Schöniger, Publitek

Tel: +44 (0) 20 8429 6554

Web: www.publitek.com

E-mail: birgit.schoeniger@publitek.com

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