



Toshiba unveils next generation 600V planar MOSFET series

New devices combine high efficiency and low noise

Düsseldorf, Germany, 26th March 2018 – Toshiba Electronics Europe today announced the launch of a new series of 600V planar MOSFETs known as “ π -MOS IX”. The new series is aimed at small to medium switching power supplies such as those found in notebook PCs, AC adapters, games consoles and lighting applications.

Featuring an optimized chip design, the π -MOS IX series achieves up to 5dB lower peak EMI noise than the current generation (π -MOS VII series), while maintaining the same high level of efficiency. The initial π -MOS IX series will include the TK1K9A60F, TK1K2A60F, TK750A60F and TK650A60F with $R_{DS(ON)}$ values ranging from 1,9Ohm down to 0,65Ohm . They have the same rated avalanche current and DC current (I_D), thereby permitting simple and easy upgrading of existing MOSFETs.

The devices are housed in a standard TO-220SIS package and offer greater design freedom, making the task of designing-in MOSFETs simpler. Toshiba will expand the π -MOS IX series with the addition of more 600V devices as well as 500V and 650V variants.

###

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.

Formed in 1973 in Neuss, Germany, TEE has headquarters in Düsseldorf, Germany, with branch offices in Germany, France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Akira Morinaga.

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

March 2018

Ref. 7113/A