



Toshiba launches complementary 30V dual MOSFET supporting smaller, more energy efficient consumer and industrial equipment

Dual N-channel + P-channel MOSFET in compact TSOP6F package delivers low and well-balanced on-resistance for simplified circuit design

Düsseldorf, Germany, 2nd June 2026 – Toshiba Electronics Europe GmbH (“Toshiba”) launches the [SSM6L826R](#), a new 30V dual MOSFET that integrates both N-channel and P-channel MOSFETs in a single package. The product is ideal for applications including single-phase brushless DC (BLDC) motor control, brushed DC motor control, and load switches for power supply lines in consumer and industrial control equipment.

The SSM6L826R uses Toshiba’s UMOSVIIH process for the N-channel MOSFET and the UMOSVI process for the P-channel MOSFET. It is housed in a compact TSOP6F package (2.9mm × 2.8 mm × 0.8mm) with flat leads to improve mounting performance.

The device achieves low drain-source on-resistance ($R_{DS(ON)}$) values of 46mΩ (max.) ($V_{GS} = 10V$) for the N-channel MOSFET and 45mΩ (max.) ($V_{GS} = -10V$) for the P-channel MOSFET. As the $R_{DS(ON)}$ values are nearly identical, conduction losses remain well-balanced, helping designers simplify circuit development. In addition, integrating both MOSFET types into a single package reduces PCB area, component count, and bill of materials (BOM) cost.

With the release of the SSM6L826R, Toshiba expands its TSOP6F dual MOSFET lineup to include three dual N-channel MOSFETs, one dual P-channel MOSFET, and two complementary (N+P) MOSFETs, giving engineers greater flexibility in selecting the optimal device for their designs.

Toshiba will continue expanding its MOSFET portfolio to meet the growing demand for higher efficiency, lower losses, and further equipment miniaturisation in both consumer and industrial markets.

For more information about the SSM6L826R, visit: <https://toshiba.semicon-storage.com/eu/semiconductor/product/mosfets/detail.SSM6L826R.html>

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) offers European consumers and businesses a wide variety of 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. In addition, TEE offers SCiB™ battery cells and modules with lithium titanium oxide (LTO) for heavy-duty applications.

TEE has its headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing marketing, sales and logistics services.

Visit Toshiba's websites at www.toshiba.semicon-storage.com and www.scib.jp/en for further company and product information.

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