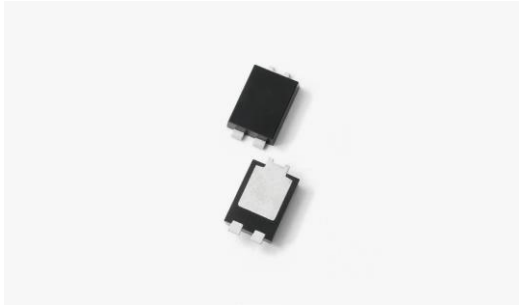


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[DST Series Schottky Barrier Rectifiers Image](#)
[DST Series Schottky Barrier Rectifiers Video](#)

FOR IMMEDIATE RELEASE

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Schottky Barrier Rectifiers from Littelfuse Combine Ultra-Low Forward Voltage Drop, High Current Handling and Compact Footprint

Ideal for high-frequency SMPSs and DC-DC converters in demanding automotive applications

CHICAGO, July 17, 2017 — [Littelfuse, Inc.](http://www.littelfuse.com), the global leader in circuit protection, today introduced a series of Schottky Barrier Rectifiers designed to outperform conventional switching diodes in commercial, industrial and automotive applications. DST Series Schottky Barrier Rectifiers combine ultra-low forward voltage drop, high current handling, high junction temperature capability, and low leakage performance in a compact TO-277B surface mount package. For automotive applications up to 10A, it offers the same or better performance as Schottky Barrier Rectifiers provided in D-PAK packaging, with a footprint that's only one-third of the size. [View the video.](#)

Typical applications for DST Series Schottky Barrier Rectifiers include high-frequency switch-mode power supplies (SMPSs) and DC-DC converters found in automotive applications such as Advanced Driver Assistance Systems (ADAS) (such as cameras, sensors, and electronic control units), infotainment systems (GPS, audio, etc.), LCD displays, and LED headlights and tail lights. Other applications include polarity protection diodes and reverse blocking diodes.

“The DST Series of Schottky Barrier Rectifiers includes devices that are AEC-Q qualified and manufactured in accordance with the TS/ISO16949 automotive quality management system standard,”

said Zhiwei Wang, product manager at Littelfuse. “That means circuit designers for the automotive industry can design these parts into their next generation of products with confidence.”

DST Series Schottky Barrier Rectifiers offer these key benefits:

- Ultra-low forward voltage drop (V_F) reduces thermal and electrical conduction losses, thereby improving system efficiency.
- Provide high-speed switching for use in very high-frequency applications with minimal switching loss.
- High junction temperature capability ensures high reliability in high ambient temperatures and applications with minimal cooling available.

Availability

DST Series Schottky Barrier Rectifiers are available in surface mount TO-277B packages in tape and reel format in quantities of 5,000. Sample requests can be placed through authorized Littelfuse distributors worldwide. For a listing of Littelfuse distributors, please visit Littelfuse.com.

For More Information

Additional information is available on the DST Series Schottky Barrier Rectifier [automotive grade parts](#) and [commercial grade parts](#) product pages. For technical questions, please contact: Zhiwei Wang, product manager, zwang@littelfuse.com.

About Littelfuse

Founded in 1927, Littelfuse is the world leader in circuit protection with growing global platforms in power control and sensing. The company serves customers in the electronics, automotive and industrial markets with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 10,000 employees in more than 40 locations throughout the Americas, Europe and Asia. For more information, please visit the Littelfuse website: Littelfuse.com.

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