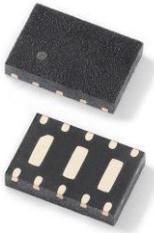


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[SP2555NUTG TVS Diode Arrays](#)

FOR IMMEDIATE RELEASE

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Low Capacitance TVS Diode Arrays from Littelfuse Offer Better Protection Against ESD, CDE, EFT and Lightning Induced Surges

Safeguards high-speed differential data lines including 10/100/1000 Ethernet, WAN/LAN, etc.

CHICAGO, May 31, 2017 — [Littelfuse, Inc.](http://www.littelfuse.com), the global leader in circuit protection, today introduced a series of a low-capacitance TVS Diode Arrays designed to protect high-speed, differential data lines against electrostatic discharge (ESD), cable discharge events (CDE), electrical fast transients (EFT), and lightning induced surges. Each SP2555NUTG Series TVS Diode Array (SPA® Diodes) can protect up to four channels or two differential pairs up to 45A and up to 30kV ESD. The SP2555NUTG Series offers higher surge tolerance than existing TVS Diode Arrays on the market and meets the lower voltage targets of emerging Ethernet protocols.

Typical applications for the SP2555NUTG Series include protection for 10/100/1000 Ethernet, WAN/LAN equipment, desktops, servers and notebooks, LVDS interfaces, integrated magnetics and Smart TVs.

“With its low capacitance of 2.5pF per I/O and low clamping voltage values, the SP2555NUTG Series is ideal for high-speed data interfaces such as 1GbE applications found in notebook computers, switches, and other network devices,” said Tim Micun, product manager, TVS Diode Arrays at Littelfuse. “That low capacitance preserves signal integrity and minimizes data loss while offering a more robust device safe from electrical threats.”

SP2555NUTG Series TVS Diode Arrays offer these key benefits:

- Low capacitance of 2.5pF per I/O preserves signal integrity and minimizes data loss while offering a more robust device against electrical threats.
- The 3.0mm x 2.0mm μ DFN package is optimized to protect two differential data pairs (four channels) up to 45A and up to 30kV ESD.
- “Flow-through” design minimizes signal distortion, reduces voltage overshoot, and provides a simplified printed circuit board design.

Availability

SP2555NUTG Series TVS Diode Arrays are available in surface mount μ DFN-10 packages in tape and reel format in quantities of 3,000. Sample requests may 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 [SP2555NUTG Series product page](#). For technical questions, please contact: Tim Micun, Product Manager, TVS Diode Arrays, tmicun@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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