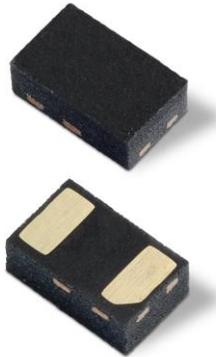


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[SP1103C Series TVS Diode Arrays](#)

Littelfuse Adds 80A Discrete Bidirectional TVS Diode Array with Lower Standoff Voltages to Protect Lower Voltage Power Buses

Safely absorb repetitive ESD strikes without performance degradation

CHICAGO, August 14, 2017 — Littelfuse, Inc., the global leader in circuit protection, today introduced 80A discrete bidirectional TVS Diode Arrays as the latest addition to its SP11xx Series TVS Diode Arrays (SPA® Diodes). SP1103C Series 80A Discrete Bidirectional TVS Diodes offer circuit designers lower standoff voltage options for protecting lower voltage power buses from electrostatic discharge (ESD) damage.

Constructed using TVS diodes fabricated in a proprietary silicon avalanche technology, these diodes protect each I/O pin to provide a high level of protection for electronic equipment sensitive to destructive ESDs. These robust diodes can safely absorb repetitive ESD strikes at $\pm 30\text{kV}$ without performance degradation. Additionally, each diode can safely dissipate 80A of 8/20 μs surge current with very low clamping voltages.

Applications for SP1103C Series TVS Diode Arrays are commonly found in automotive electronics, industrial products, consumer electronics, switches/buttons, test equipment/instrumentation, point-of-sale terminals, medical equipment, notebooks/desktops/servers and computer peripherals.

“The enhanced ESD capability the SP1103C Series enables manufacturers to achieve ESD protection beyond the maximum level stated in the IEC standard,” said Tim Micun, business development manager for TVS Diode Arrays at Littelfuse. “It also protects against a multitude of other threats to ensure greater product reliability in the field.”

SP1103C Series TVS Diode Arrays offer these key benefits:

- Extremely low (0.01 ohm) dynamic resistance ensures fast-acting ESD protection during an overvoltage event.
- Discrete bidirectional design allows them to work whether they are inserted forward or backward.
- Low breakdown voltages (3.3V) protect power rails up to 2.8V.
- Industry-standard leadless 1610DFN package is suitable for use in industrial, automotive, and commercial environments.

Availability

The SP1103C Series (surface mount 1610DFN package) is provided in tape & 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 [SP1103C TVS Diode Arrays product page](#). If you have technical questions, please contact: Tim Micun, business development manager for 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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