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New SM Series TVS Diode Array from Littelfuse Offers Greater Protection from Surges, ESD than Similar Components

High ESD withstand capability enhances reliability of equipment in the field

CHICAGO, January 13, 2014 - Littelfuse, Inc., the global leader in circuit protection, has introduced a new series of two-channel, general-purpose TVS Diode Arrays (SPA® Diodes) optimized to help circuit designers protect sensitive equipment from damage due to electrostatic discharge (ESD), electrical fast transients (EFT), and lightning-induced surges. SM Series TVS Diode Arrays are available in five voltage options: 5V, 12V, 15V, 24V, 36V. All voltage options provide very low dynamic resistance for clamping performance superior to similar components. This ensures optimal performance to protect today's sensitive electronics. SM Series TVS Diode Arrays can absorb repetitive ESD strikes above the maximum level specified in international standards without performance degradation and safely dissipate up to 24A of induced surge current. They provide robust protection against electrical threats to datacom ports like RS 232, RS-485, RS-422, RS-423, etc., which are commonly used in automation equipment, diagnostic devices, security and alarm systems, printers, test equipment, etc.

"Our SM Series TVS Diode Arrays provide two to three times higher ESD withstand capability than similar solutions, ,which ensures maximum reliability of electronic equipment in the field." said Chad Marak, Product Line Director for the TVS Diode Array line. Additionally, our products with their very low dynamic resistances produce some of the lowest clamping voltages in the industry making them the ideal solution for protecting sensitive electronics.

Benefits

- Greatly reduces clamping voltages, ensuring modern ICs survive industry-defined electrical threats, such as ESD and lightning-induced surges
- Offers 25 percent higher power handling capability than similar solutions to provide more design margin to electrical threats as defined by industry standards

Availability

The SM Series is available in SOT23-3 packaging in reels of 3,000 each. Samples are available now; 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 SM Series TVS Diode Array product page including a datasheet. If you have technical questions, please contact: Chad Marak, Product Line Director, TVS Diode Arrays, cmarak@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 global customers in the electronics, automotive and industrial markets with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 7,000 employees in more than 35 locations throughout the Americas, Europe and Asia. For more information, please visit the Littelfuse website: littelfuse.com.

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