

Press Release

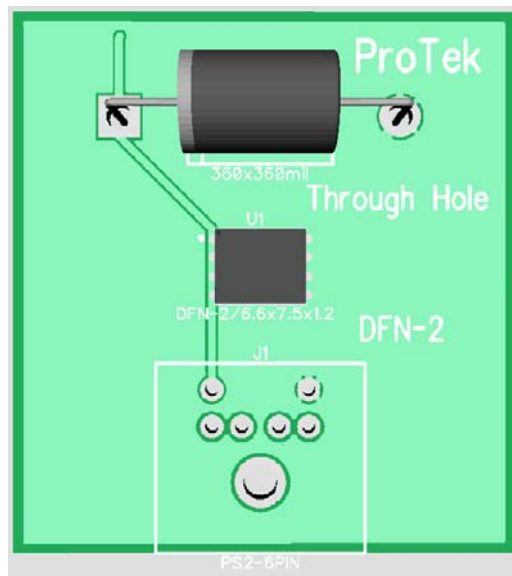
5kW TVS Diode in 2 lead DFN Package



Tempe, Ariz., October 20, 2011 - ProTek Devices introduces the SM5KWxxA Series surface mount TVS diodes in a low profile 2 lead DFN package. Due to densely populated PC boards, smaller devices are required that offer the same protection as through-hole components. The DFN package is 7.7x6.6x1.2mm.

The SM5KWxxA Series is rated at 5000 Watts peak pulse power using the 10/1000 μ s surge waveform and 28,000 Watts for the 8/20 μ s surge. This is sufficient protection for tertiary type lightning threats at key interface locations. These devices meet the requirements of IEC 61000-4-5 (Surge), 48A Level 3(Line-Ground), Level 4(Line-Line) and Level 1(Power).

Packaged in the low profile DFN-2 high power plastic case, the small footprint and low profile can be utilized to save PC board space as shown in drawing below. The SM5KWxxA should be placed near a connector to provide the best protection against transients.



Sample quantities are available upon request. Pricing is \$0.23 each in quantities of 3,000 pieces. These devices are lead-free, ROHS and REACH compliant. SPICE model and parameters are available for circuit simulation on request.

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About ProTek Devices

ProTek Devices, based in Tempe, Ariz., provides advanced transient voltage suppression (TVS) for Voice, Video and Data (V2D). The company manufactures TVS products designed specifically to protect electronic systems from the destructive effects of lightning, electrostatic discharge, nuclear electromagnetic pulse and inductive switching. With more than 25 years of engineering and manufacturing experience, ProTek provides TVS solutions which function effectively with the latest high-speed communication and networking products.

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