

BIDIRECTIONAL TVS DIE

APPLICATIONS

- LED Protection

FEATURES

- Compatible with IEC 61000-4-2 (ESD): Contact $\pm 8\text{kV}$

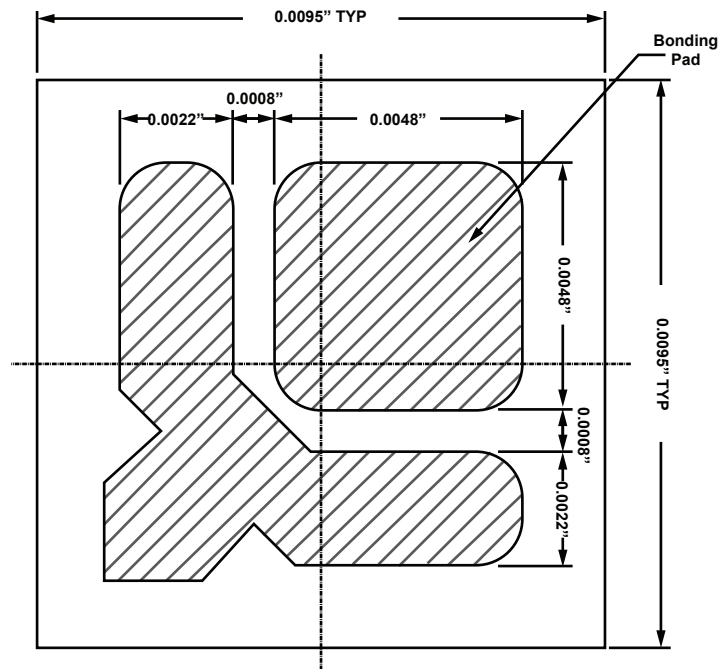
PIN CONFIGURATION



ELECTRICAL CHARACTERISTICS @ 25°C

PART NUMBER	MINIMUM BREAKDOWN VOLTAGE @ 1mA $V_{(BR)}$ VOLTS	STAND-OFF VOLTAGE V_{WM} VOLTS	MAXIMUM LEAKAGE CURRENT @3.5V I_D μA	TYPICAL CAPACITANCE @0V, 1MHz C pF	THICKNESS mils	BACKMETAL	TOPMETAL
PLED511	5.70	4.7	1.00	15	6	Ti/Ni/Ag	Al/Cu

MASK OUTLINE



Controlling Dimension: Inches

TYPICAL DEVICE CHARACTERISTICS

FIGURE 1
8kV POSITIVE ESD CLAMPING WAVEFORM



FIGURE 2
8kV NEGATIVE ESD CLAMPING WAVEFORM



COMPANY INFORMATION

COMPANY PROFILE

In business more than 20 years, ProTek Devices™ is a privately-held company located in Tempe, Arizona, that offers a product line of transient voltage suppressors (TVS); avalanche breakdown diodes; steering diode TVS arrays and other surge suppressor component products. These TVS devices protect electronic systems from the effects of lightning, electrostatic discharge (ESD), nuclear electromagnetic pulses (NEMP), inductive switching and EMI / RFI. ProTek Devices also offers high performance interface and linear products that include analog switches; multiplexers; LED drivers; audio control ICs; RF and related high frequency products. The analog devices work in a host of consumer; industrial; automotive and other applications.

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