

BIDIRECTIONAL TVS DIE

APPLICATIONS

- LED Protection

FEATURES

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

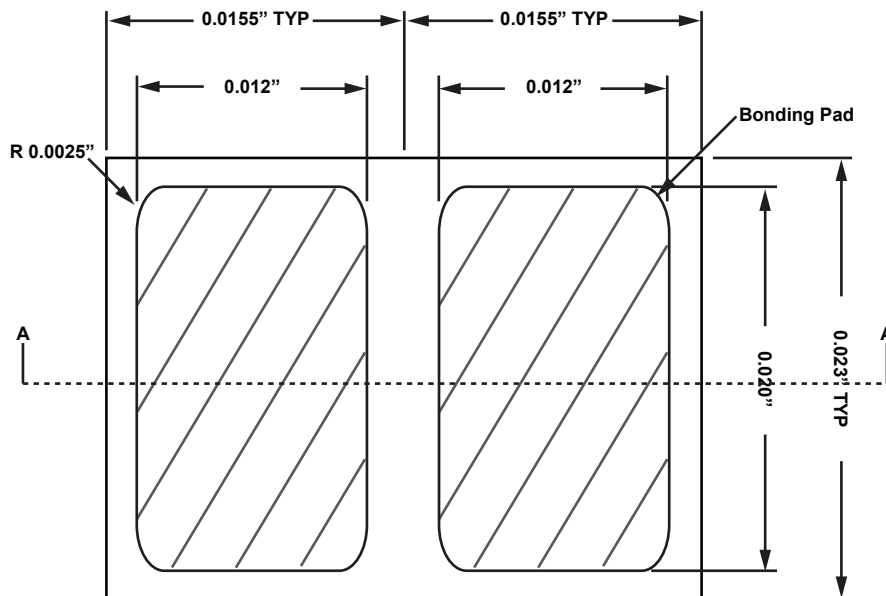
PIN CONFIGURATION



ELECTRICAL CHARACTERISTICS @ 25°C

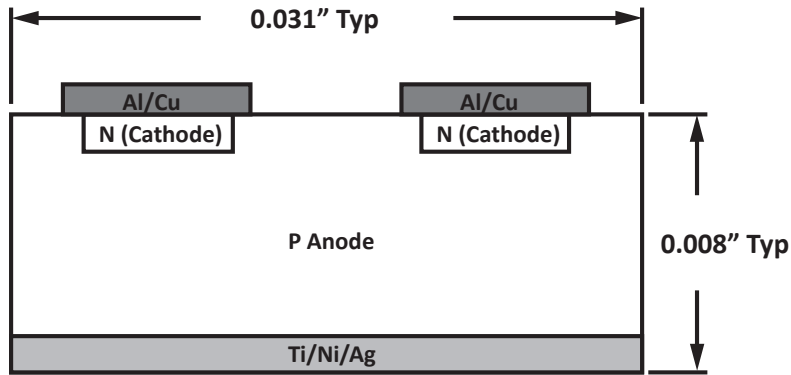
PART NUMBER	MINIMUM BREAKDOWN VOLTAGE @ 1mA $V_{(BR)}$ VOLTS	STAND-OFF VOLTAGE V_{WM} VOLTS	MAXIMUM LEAKAGE CURRENT @36V I_D μA	TYPICAL CAPACITANCE @0V, 1MHz C pF	THICKNESS mils	BACKMETAL	TOPMETAL
PLED3631X23NB	40.0	36.0	1	60	8	Ti/Ni/Ag	Al/Cu
PLED1831X23NB	20.0	18.0	1	40	8	Ti/Ni/Ag	Al/Cu

MASK OUTLINE



1. Controlling Dimension: Inches
2. Electrical characteristics: Measured pad to pad.
3. Use non-conductive epoxy for die attach.

SECTION A-A



COMPANY INFORMATION

COMPANY PROFILE

In business more than 20 years, ProTek Devices™ is a privately held semiconductor company. The company offers a product line of overvoltage protection and overcurrent protection components. These include transient voltage suppressor array (TVS arrays) avalanche breakdown diode, steering diode TVS array and electronics SMD chip fuses. These components deliver circuit protection in electronic systems from numerous overvoltage and overcurrent events. They include lightning; electrostatic discharge (ESD); nuclear electromagnetic pulses (NEMP); inductive switching; and electromagnetic interference (EMI) / radio frequency interference (RFI). ProTek Devices also offers LED wafer die for ESD protection and related high frequency products.

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