

MDE Semiconductor, Inc.

Single Minded Focus on Circuit Protection Solutions

PRESS RELEASE

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NEW MAX-20 S LEAD CELL SERIES POWER TVS DIODE WITH VOLTAGES RANGING FROM 5.0 TO 22.0V

NEWPORT BEACH, CALIFORNIA...MDE Semiconductor, Inc., a manufacturer of Transient Voltage Suppression Devices specifically designed for the protection of electronic systems from the destructive effects of Lightning, Electrostatic Discharge (ESD), and Inductive Switching, announced today their latest addition to the popular MAX Power TVS Series! The **MAX-20 Series Power TVS Diode Series** is an industry "go to" device series for Aerospace and Defense Contractors.

MDE has now given our existing and new customers a new mechanical design option for redesign or new design projects. The **NEW S-LEAD CELL** which offers design engineers the MAX-20 Series CELL with a Sleek Surface Mount option.

MAX-20 NEW S LEAD CELL SERIES POWER TVS DIODE is designed to offer clamping characteristics superior to those of standard silicon avalanche diode (SAD) technologies. This superior performance is made possible by MDE Semiconductor, Inc. MAX-Avalanche™ technology which provides clamping voltage lower than the avalanche voltage but above the rated working voltage. As a result, any voltage rises due to increased current conduction is minimized. This device can be connected in series and/or parallel to create a variety of flexible protection solutions. They provide the same enhanced quality, easy manufacturing and compact mechanical design found in the company's MAX Power TVS Series Diode families.

Typical applications include transient over voltage protection for Aerospace and Defense including RTCA / DO-160 Airborne Equipment, and Shipboard MIL-STD 1399 Section 300B requirements, as well as industrial Transient Voltage Surge Suppressors (TVSSs), Cell Tower Base Stations, and Railway Signal Controls.

MAX-20 NEW S LEAD CELL SERIES POWER TVS DIODE is a sleek surface mount option that offers the highest power rating (10x1000µs waveform) among surface mount Power TVS available in the current market. These TVS diodes are certified Halogen Free and RoHS Compliant.

Visit our website www.mdesemiconductor.com or call **1-800-831-4881**, or email sales@mdesemiconductor.com for additional information. You can also contact our Distributor USI Electronics division of Avnet **1-800-874-8111** - www.usielectronics.com

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