

# *MDE Semiconductor, Inc.*

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*Single Minded Focus on Circuit Protection Solutions*

## **PRESS RELEASE**

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FOR IMMEDIATE RELEASE  
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### **SMDMAX10KA AND SMDMAX6KA SERIES SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR DIODE WITH VOLTAGES RANGING FROM 58.0V- 86.0V.**

LA QUINTA, 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, two new products!

The SMDMAX10KA and SMDMAX6KA series MAX Power TVS Diodes are 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 rise due to increased current conduction is minimized. Both products 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. Additionally, because they are offered in a surface mount SMTO-218 package, they allow circuit designers to save even more circuit board space. This surface mount package is ideal for automatic pick and place assembly and reflow processes, allowing for a lower manufacturing cost and great soldering quality than axial leaded packages.

Typical applications include transient overvoltage 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.

SMDMAX10KA and SMDMAX6KA Series is an innovative package design offers the highest power rating (8x20µs waveform) among surface mount TVS available in the current market. These TVS diodes are certified Halogen Free and RoHS Compliant.

#### **AVAILABILITY:**

Available in SMTO-218 surface mount packages, and sold in quantities of 400 in tape-and-reel packaging or quantities of 100 in tube pack (25/tube). Sample requests: **MDE Semiconductor, Inc.**  
**[www.mdesemiconductor.com](http://www.mdesemiconductor.com)** or our worldwide distributor **Avnet USI [www.avnetusi.com](http://www.avnetusi.com)**.

For additional information about SMDMAX10KA and SMDMAX6KA products or a price quote contact [www.mdesemiconductor.com](http://www.mdesemiconductor.com) Bill Morgan at 1-760-217-2648 or email [bmorgan@mdesemiconductor.com](mailto:bmorgan@mdesemiconductor.com).

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