

MDE Semiconductor, Inc. Circuit Protection Products

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Metal Oxide Varistors

Varistors are voltage dependent nonlinear devices, which have an electrical behavior similar to back to back zener diodes. MDE Series zinc oxide varistors are nonlinear resistors, consisting mainly of zinc oxide and several other kinds of metal oxide additives. They are bilateral and symmetrical V-I characteristics curve and unparalleled large peak current capabilities are used for absorption of transient voltage, suppression of pulse noise and circuit voltage stabilization.

Features

- Fast response
- Excellent voltage ratio
- High stabilization for circuit voltage
- Unparalleled absorption for transient voltage characteristics
- Bilateral and symmetrical V-I characteristics curve

Applications

- Surge Protection
 - Industrial electronics
 - Telephone and telecommunication systems
 - Measurement and control systems
 - Consumer electronics
 - Gas and petroleum equipment
- Absorption of switching surge from various kinds of relays and electro-magnetic valves
- Electrostatic discharge and spike noise suppression
- Protection of various kinds of transistors, diodes, ICs, thyristors, triac and other semiconductors
- Automobile control system such as transistorized ignition system and electronic fuel injection system

Related Standards

- UL1449  (File # E213592)

ISO 9002 Certified