

# MDE Semiconductor, Inc.

78-150 Calle Tampico, Unit 210, La Quinta, CA., USA 92253 Tel : 760-564-8656 • Fax : 760-564-2414

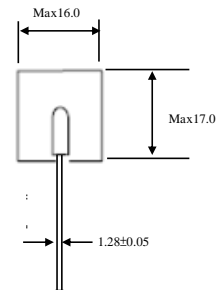
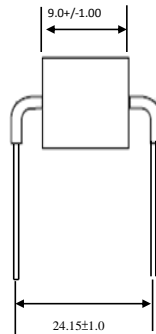
1-800-831-4881 Email: sales@mdesemiconductor.com Web: www.mdesemiconductor.com

## MAXPak™ Series MAX-150-15KA

### HIGH CURRENT TRANSIENT VOLTAGE SUPPRESSOR

#### FEATURES

- **UL 1449** Recognition
- **15KA Surge Capability** @ 8 x 20  $\mu$ sec waveform (per IEC- 61000-4-5)
- Bi-directional
  - Excellent clamping capability
- Repetition rate (duty cycle): 0.05%
- Sharp breakdown voltage
- Low incremental surge resistance
- Fast response time: typically less than 1.0  $\mu$ s from 0 Volts to BV
- Operation temperature: -40°C to +125°C
- Epoxy encapsulated package has Underwriters Laboratory Flammability Classification 94 V-0



Dimensions Millimeters

#### MECHANICAL DATA

**Terminal:** Ag Plated Axial leads, solderable per MIL-STD-750. Method 2026

**Mounting Position:** Any

**Weight:** 7.6 g)

#### MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Reversed Standoff Voltage	V <sub>rw</sub>	136.35	Volt
Breakdown Voltage @ I <sub>T</sub> =1.0mA	V <sub>br</sub>	150 ± 5%	Volt
Clamping Voltage @ 1100A / 10x1000 $\mu$ sec waveform	V <sub>c</sub>	199.5 max	Volt
Reverse Leakage @ 136.35V	I <sub>R</sub>	20 $\mu$ max	A

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## MAXPak™ 150 Series Rating and Characteristic Curves

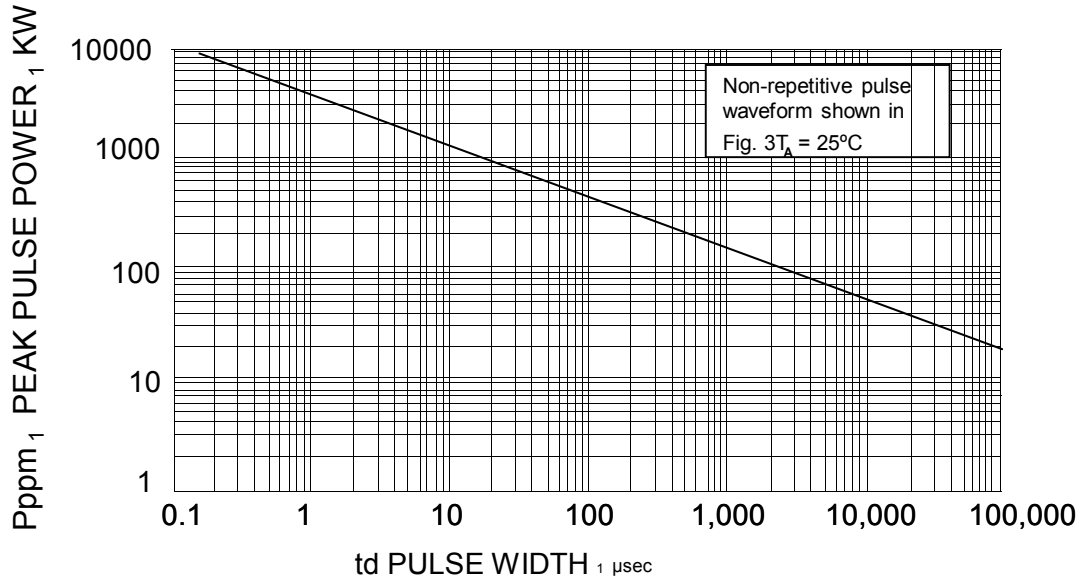
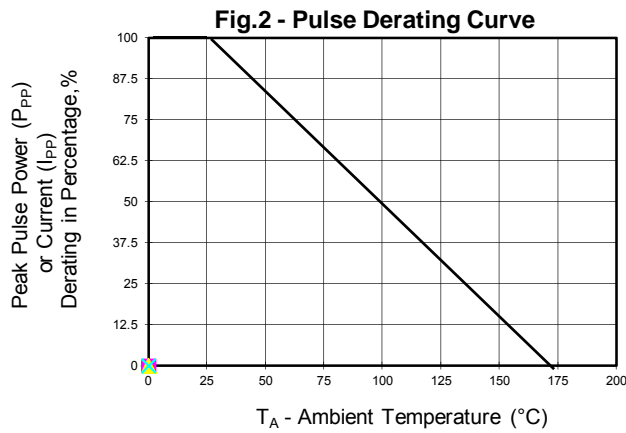
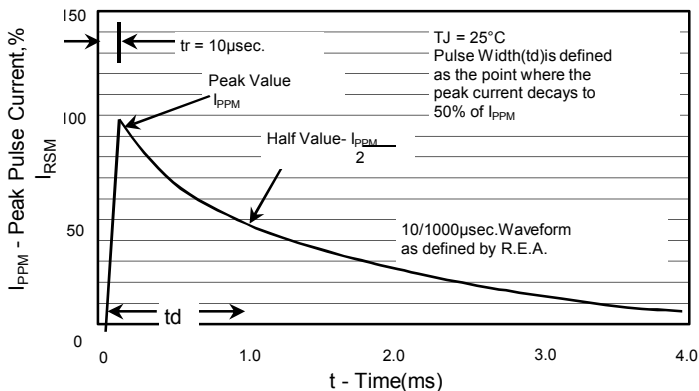


FIG. 1 PEAK PULSE POWER RATING



**Fig.2 - Pulse Derating Curve**



**Fig.3 - Pulse Waveform**