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Preliminary

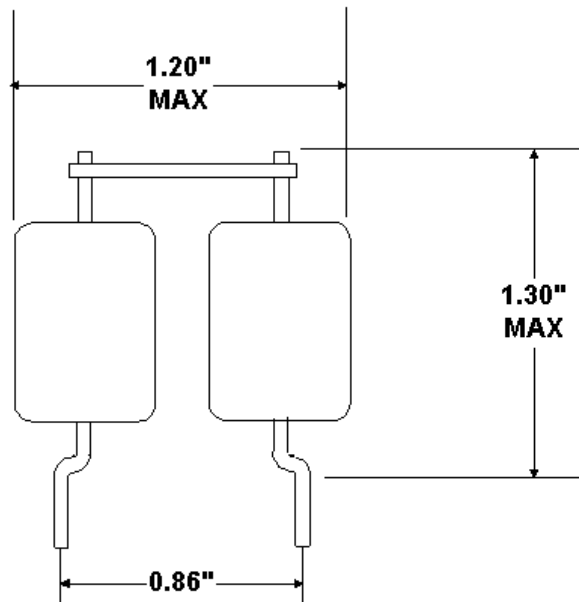
MAXPak™ Series

MAX-450

HIGH CURRENT TRANSIENT VOLTAGE SUPPRESSOR

FEATURES

- **10KA Surge Capability** @ 8 x 20 μ sec waveform (per IEC- 61000-4-5)
- Peak Power Dissipation 648KW
- 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 μ s from 0 Volts to BV
- Operation temperature: -40°C to +125°C
- Epoxy encapsulated package has Underwriters Laboratory Flammability Classification 94 V-0



MECHANICAL DATA

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

Mounting Position: Any

Weight: 0.816 \pm 0.040 ounces (23.140 \pm 1.130g)

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Reversed Standoff Voltage	V _{rw}	405.0	Volt
Breakdown Voltage @ I _T =1.0mA	V _{br}	450 \pm 5%	Volt
Clamping Voltage @ 1090A / 10x1000 μ sec waveform	V _c	594 max	Volt
Reverse Leakage @ 405.0V	I _R	20 μ max	A

MAXPak™ Series Curves

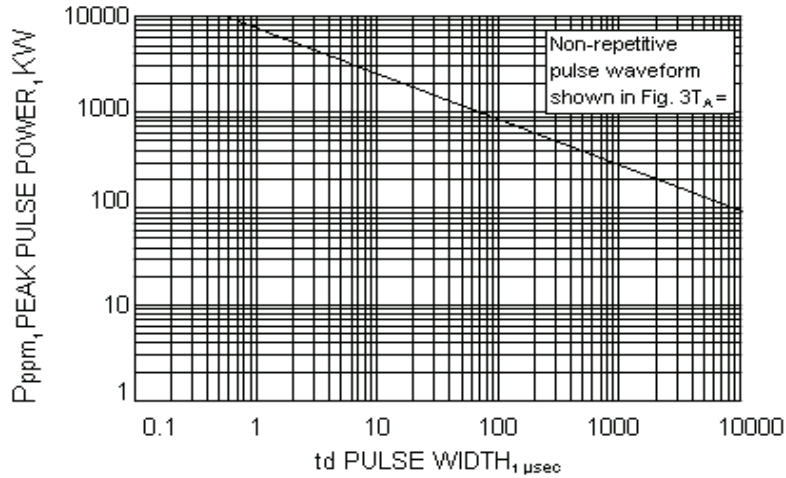


FIG. 1 PEAK PULSE POWER RATING

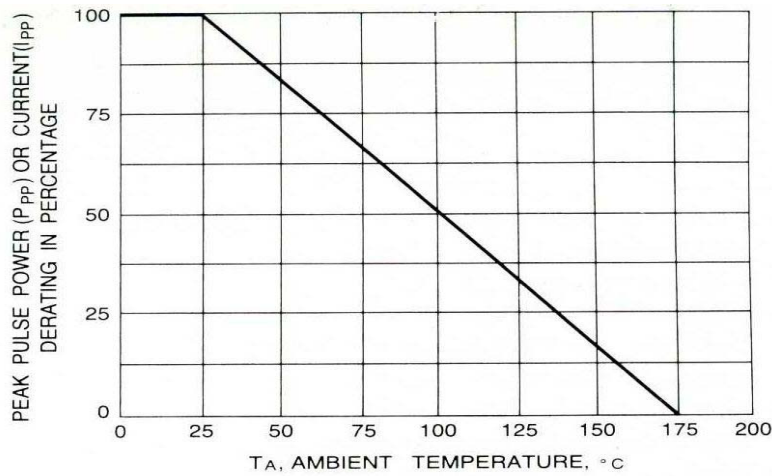


FIGURE 2-PULSE DERATING CURVE

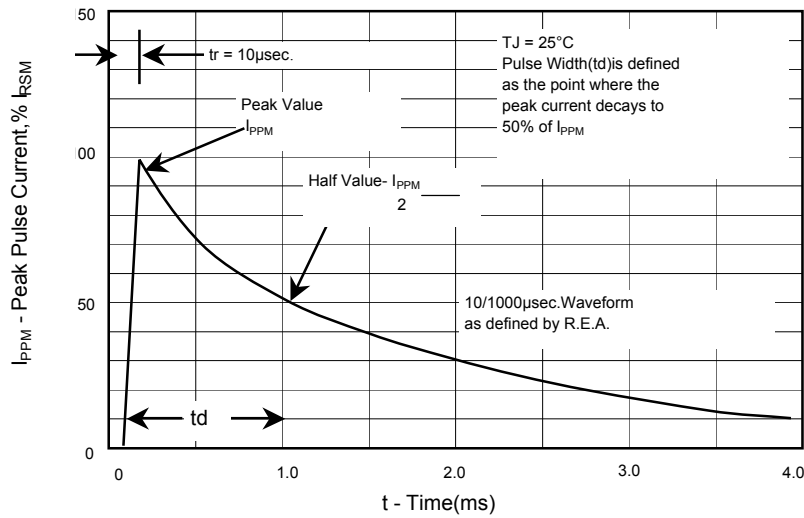


Fig.3 - Pulse Waveform