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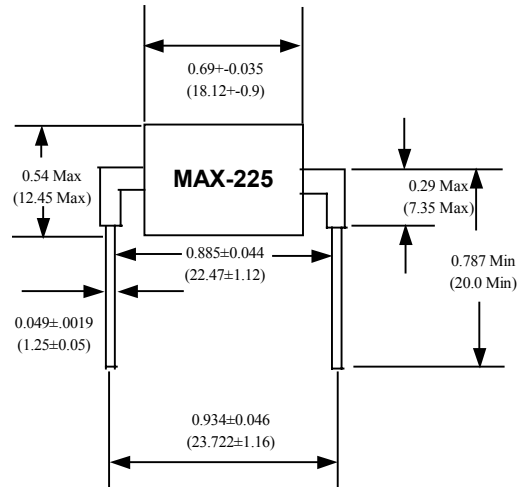
MAXPak™ Series

MAX-225

HIGH CURRENT TRANSIENT VOLTAGE SUPPRESSOR

FEATURES

- **10KA Surge Capability @ 8 x 20 μ sec waveform**
(per IEC- 61000-4-5)
- UL 1449 Pending
- Peak Power Dissipation 324KW
- 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



Dimensions in inches
and
(Millimeters)

MECHANICAL DATA

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

Mounting Position: Any

Weight: 0.408 ± 0.040 ounces (11.300 ± 1.130 g)

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Reversed Standoff Voltage	V _{rw}	202.5	Volt
Breakdown Voltage @ I _T =1.0mA	V _{br}	225 $\pm$ 5%	Volt
Clamping Voltage @ 1090A / 10x1000 μ sec waveform	V _c	297 max	Volt
Reverse Leakage @ 202.5V	I _R	20 μ max	A

MAXPak™ Series Curves

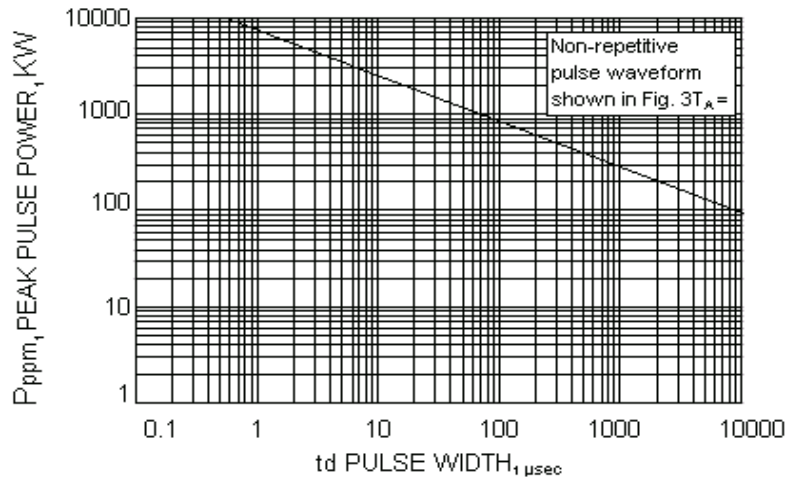


FIG. 1 PEAK PULSE POWER RATING

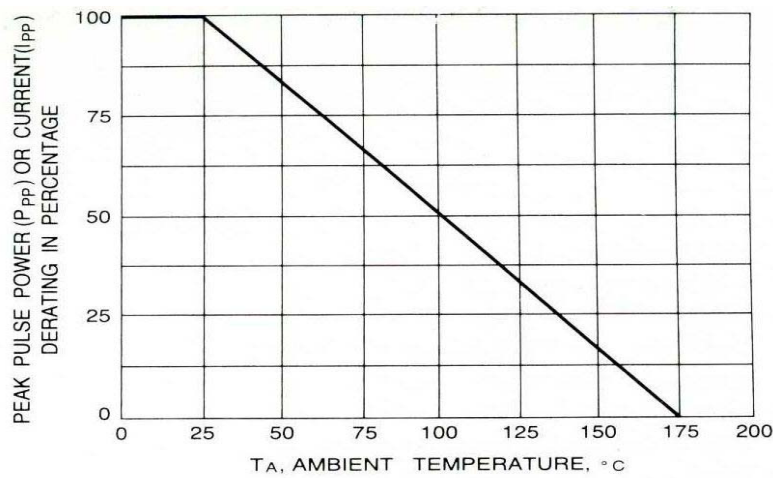


FIGURE 2-PULSE DERATING CURVE

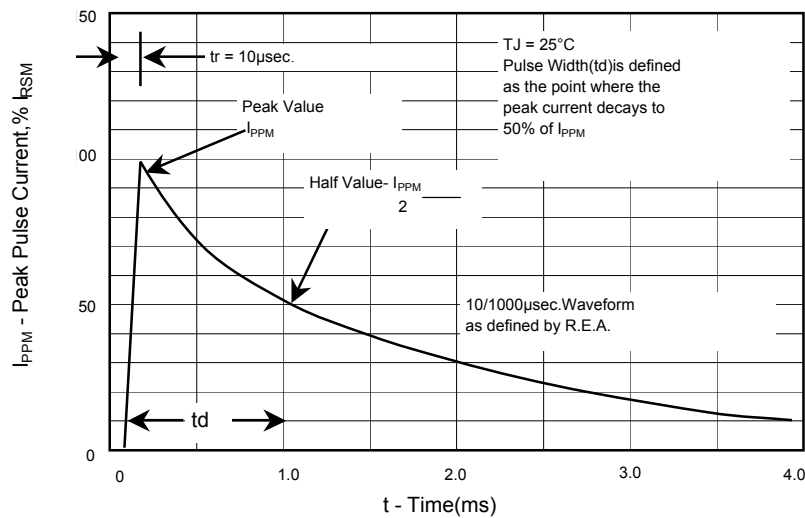


Fig.3 - Pulse Waveform