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Preliminary

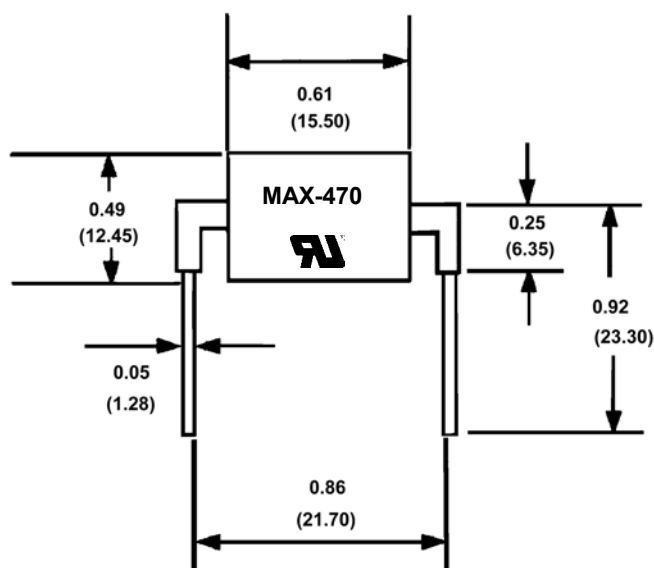
MAXPak™ Series

MAX-470

HIGH CURRENT TRANSIENT VOLTAGE SUPPRESSOR

FEATURES

- **UL1449** Recognition
- **8KA Surge Capability @** 8 x 20 µsec waveform (per IEC- 61000-4-5)
- Peak Power Dissipation 288KW
- Energy rating 402.5 joules @ 10x1000 µsec waveform
- 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 µs 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: 0.328 ± 0.033 ounces (9.300 ± 0.930 g)

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Breakdown Voltage @ IT=1.0mA	VBr	470 ± 5%	Volt
Clamping Voltage @ 460A / 10x1000 µsec waveform	Vc	625 max	Volt
Reverse Leakage @ 423V	IR	20 µ max	A

MAXPak™ Series Curves

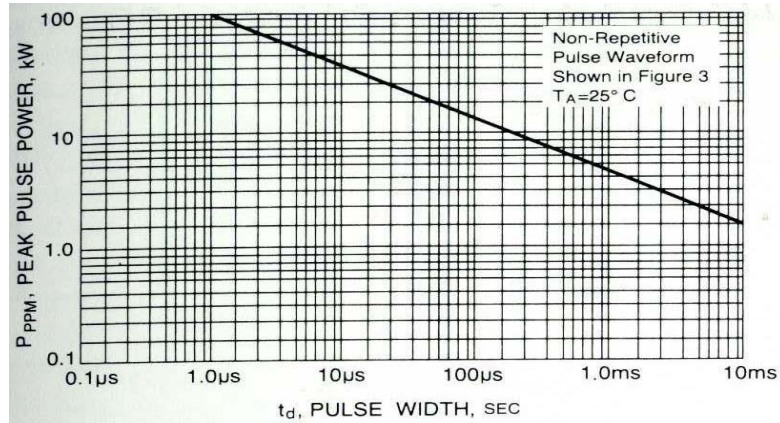


FIG.1-PEAK PULSE POWER RATING CURVE

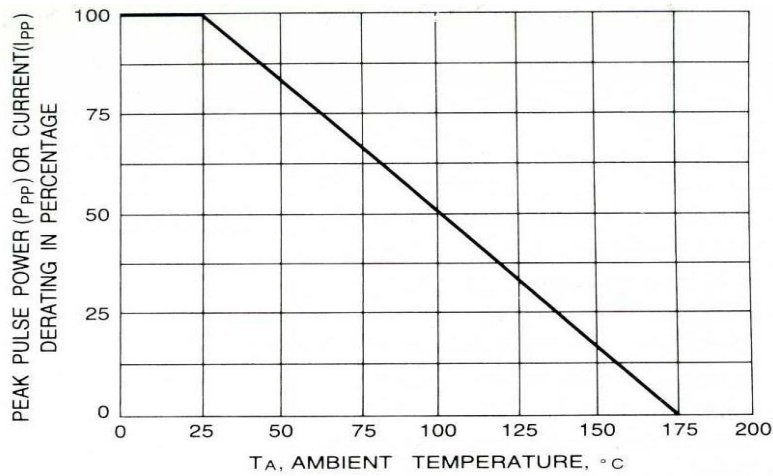


FIGURE 2-PULSE DERATING CURVE

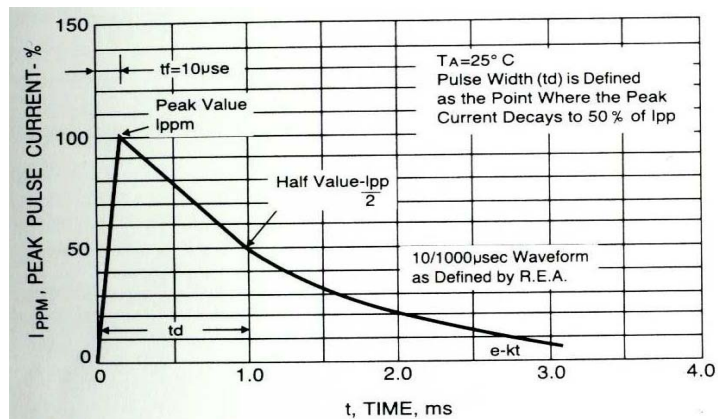


FIG.3-PULSE WAVEFORM