

## FEATURES

- Peak power dissipation 1500W @10 x 1000 us Pulse
- Optimized for LAN protection applications
- Low profile package with built-in strain relief for surface mounted applications
- Low incremental surge resistance, excellent clamping capability
- 1500W peak pulse power capability with a 10/1000µs wave form, repetition rate (duty cycle): 0.01%
- Fast response time: typically less than 1ps from 0 Volts to V(BR) for uni-directional and 5.0ns for bi-directional types
- High temperature soldering guaranteed: 250° C/ 10 seconds at terminals

## MECHANICAL DATA

- Case style:SM & plastic molded
- Polarity:color band denotes positive end( cathode ) except for bidirectional
- Mounting position: any

Parameter	Symbol	Value	Units
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Peak Pulse Power Dissipation on 10/1000 us Waveform (Note 1, 2,

### Notes:

1. Non-repetitive current pulse, per Fig.3 and derated above TA=25°C per Fig.2.
2. Mounted on 5.0x5.0mm<sup>2</sup> (0.03mm thick) Copper Pads to each terminal.
3. Measured on 8.3ms single half sine-wave, or equivalent square wave, for Unidirectional device only.

9 YWf] W GdYVZ] Vh] cb ( $T_A=25@25^\circ\text{C}$  unless otherwise specified)



**FIG.3 -- PULSE WAVEFORM**



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