

Description

The AU2461D1F-T are transient voltage suppressor designed to protect sensitive electronic equipment from damage induced by lightning and voltage transients.

Features

- Glass passivated or planar junction
- Excellent clamping capability
- Repetition rate (duty cycle): 0.01%
- Low profile package and low inductance
- Fast response time: typically less than 1.0ps from 0V to VBR min.
- High temperature soldering: 260°C/10s at terminals.
- Plastic package has Underwriters Laboratory Flammability 94V-0.
- For surface mounted applications in order to optimize board space.

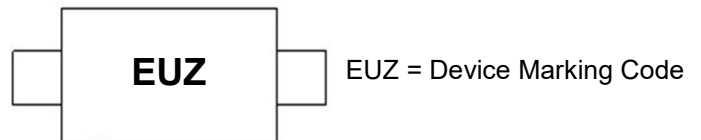
Mechanical Characteristics

- Package: SOD-123FL Molded plastic
- Case Material: "Green" Molding Compound.
- UL Flammability Classification Rating 94V-0
- Polarity: Color band denotes cathode except bi-directional models
- Terminal Connections: See Diagram Below
- Marking Information: See Below

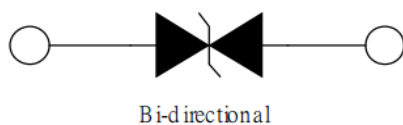
Applications

- I/O Interface.
- AC/DC Power supply
- Low frequency signal transmission line (RS232, RS485, etc.)

Marking Information



Equivalent Circuit and Pin Configuration



Circuit and Pin Schematic

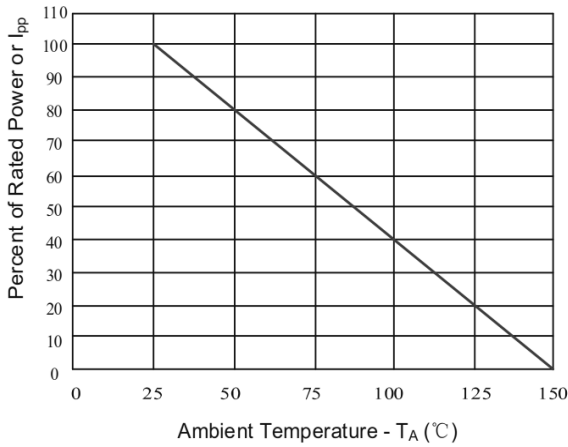
Ordering Information

Part Number	Packaging	Reel Size
AU2461D1F-T	3000/Tape & Reel	7 inch

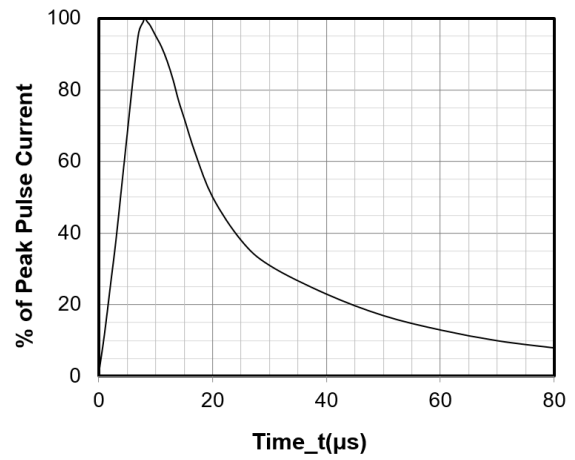
Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise specified)

Part Number	Marking code	Reverse Stand off Voltage VRWM (Volts)	Breakdown Voltage VBR (Volts) @IT		Test Current IT (mA)	Maximum Clamping Voltage Vc @IPP (Volts)	Maximum Peak Pulse Current Ipp (8/20Amps)	Maximum Reverse Leakage IR@VRWM (μA)	Junction Capacitance Cj (pF)
			MIN	MAX					Typ.
AU2461D1F-T	EUZ	24	26.70	29.50	1	40.0	170	1	300

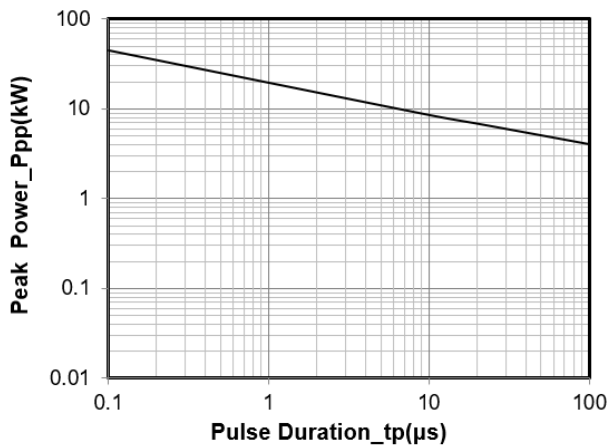
Typical Performance Characteristics ($T_A=25^\circ\text{C}$ unless otherwise Specified)



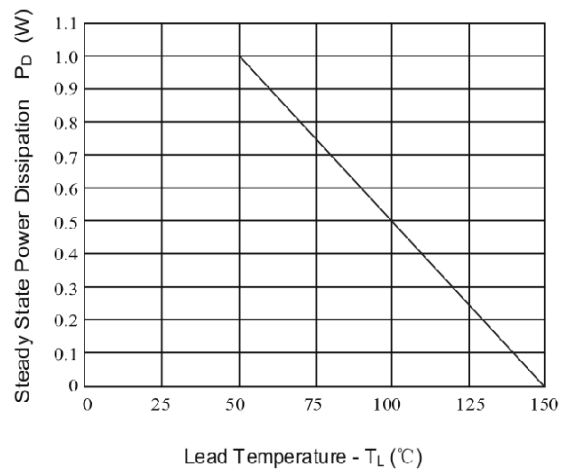
Pulse Derating Curve



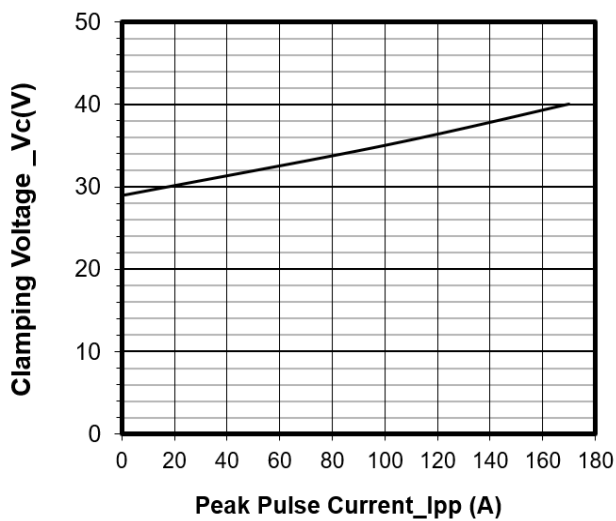
8 X 20µs Pulse Waveform



Peak Pulse Power vs. Pulse Time

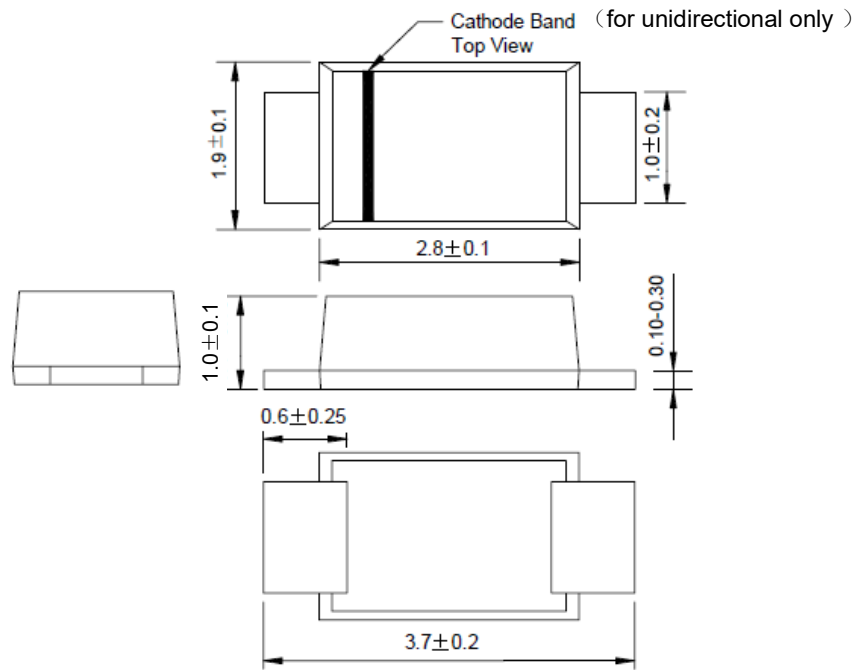


Steady State Power Dissipation Derating Curve



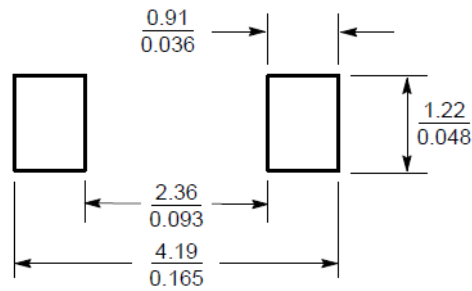
Clamping Voltage vs. Peak Pulse Current ($t_p = 8/20\mu\text{s}$)

SOD-123FL Package Outline Drawing



Dimensions in millimeters

Suggested Land Pattern



SCALE 10:1 ($\frac{\text{mm}}{\text{inches}}$)

Contact Information

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