

TRIPLE COMMON CATHODE TRANSIENT VOLTAGE SUPPRESSOR ARRAY

This Transient Voltage Suppressor is intended to Protect Sensitive Equipment against Electrostatic Discharge and Transient Events featuring low clamping voltage and low leakage current suitable for communication transmission line ports protection, used in Industrial, Consumer, Computing and Networking Applications.



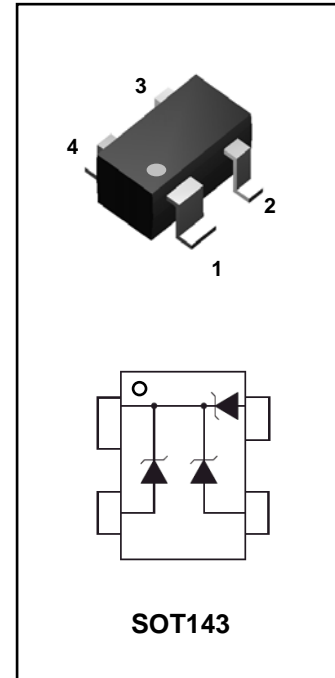
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SPECIFICATION FEATURES

- Working Peak Reverse Voltage of 36V
- Max Power Dissipation of 350W, 8/20 μ s
- Maximum Leakage Current of 1 μ A
- IEC61000-4-2 Compliance 15kV Air, 8kV Contact Discharge
- Max capacitance 200pF at 0Vdc 1MHz
- SOT143 Package
- 100% Tin Matte lead finish (RoHS Compliant)

APPLICATIONS

- Industrial Control Communication Port
- Portable Consumer Electronics
- Instrumentation Equipment



MAXIMUM RATINGS

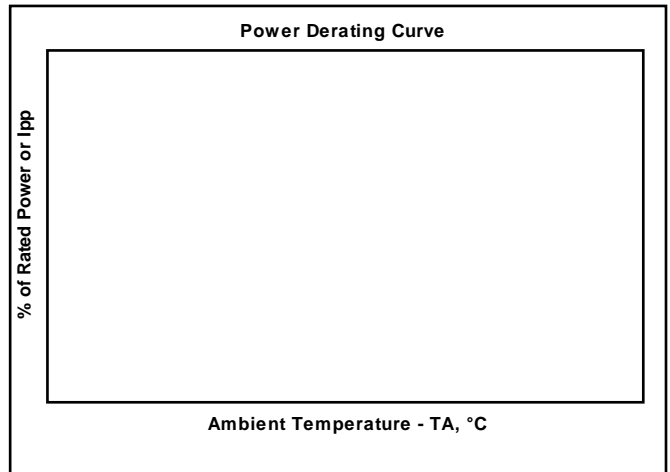
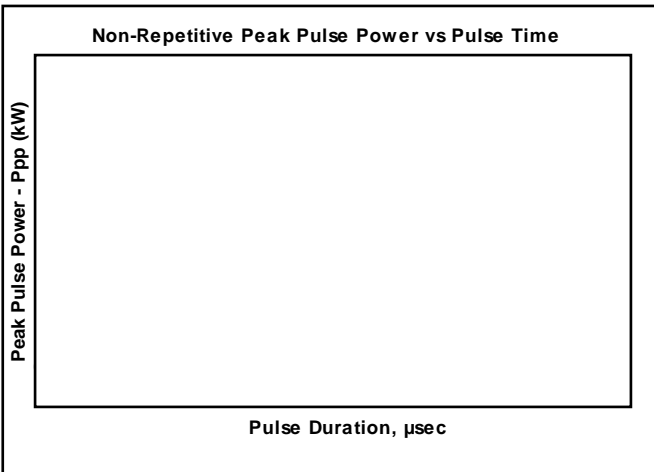
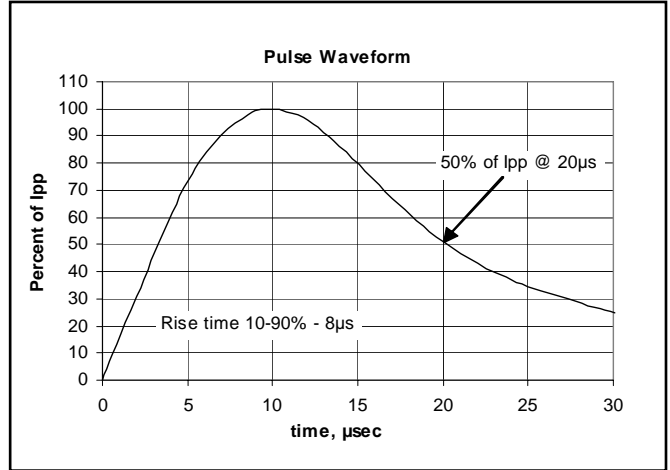
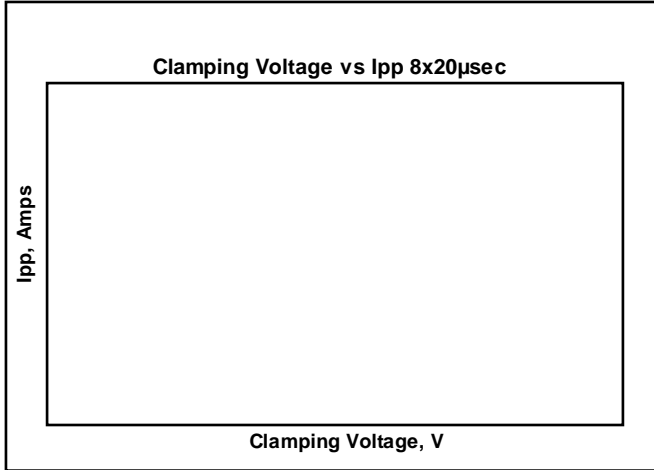
Rating	Symbol	Value	Units
Peak Pulse Power 8/20 μ s Waveform	P_{pp}	350	W
ESD Voltage (HBM)	V_{ESD}	>25	kV
Operating Temperature Range	T_J	-55 to +150	$^{\circ}$ C
Storage Temperature Range	T_{stg}	-55 to +150	$^{\circ}$ C
Lead Soldering Temperature (max 10 s)	T_L	260	$^{\circ}$ C

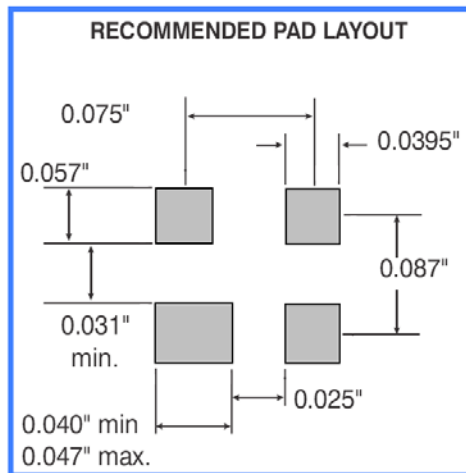
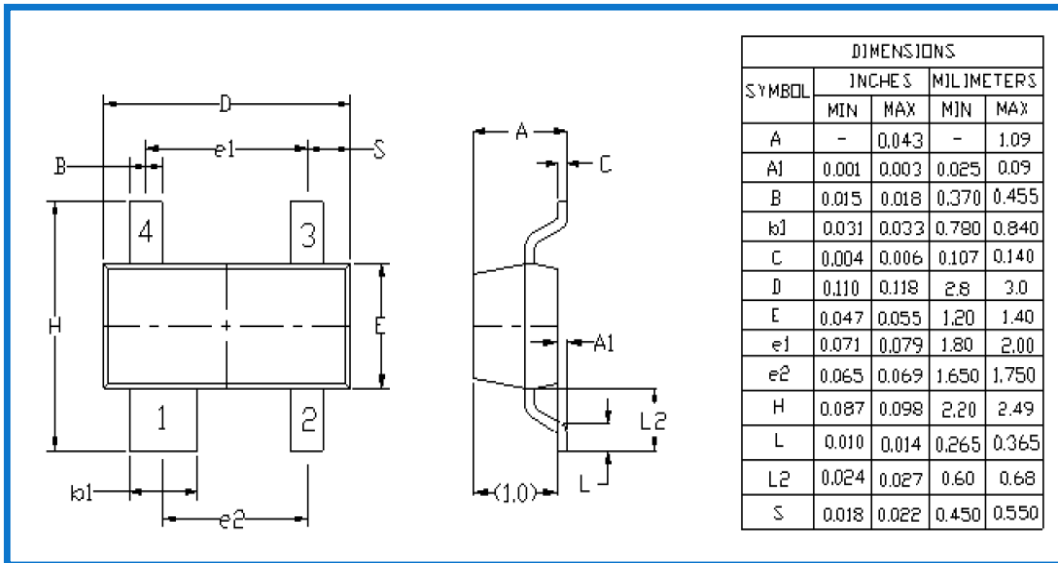
ELECTRICAL CHARACTERISTICS $T_j = 25^{\circ}$ C

Parameter	Symbol	Conditions	Min	Typical	Max	Units
Reverse Stand-Off Voltage	V_{WRM}				36	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR} = 1mA$	40			V
Reverse Leakage Current	I_R	$V_R = 36V$			1	μ A
Clamping Voltage (8/20 μ s)	V_C	$I_{pp} = 1A$			48	V
Clamping Voltage (8/20 μ s)	V_C	$I_{pp} = 5A$			65	V
Maximum Peak Pulse Current	I_{pp}	8/20 μ s Waveform			6	A
Off State Junction Capacitance	C_j	0 Vdc Bias f = 1MHz Between pins 2,3,4 and 1			120	pF

TYPICAL CHARACTERISTIC CURVES

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PACKAGE AND SUGGESTED PAD LAYOUT DIMENSIONS
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