

# 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 port protection in industrial, consumer, computing and networking applications.

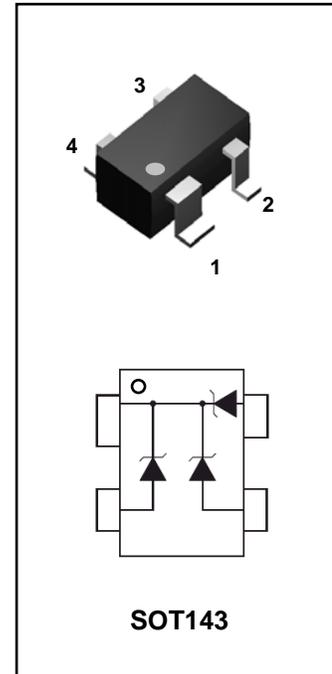


## SPECIFICATION FEATURES

- Working Peak Reverse Voltage of 36V
- Max Power Dissipation of 350W, 8/20 $\mu$ s
- Maximum Leakage Current of 1 $\mu$ 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



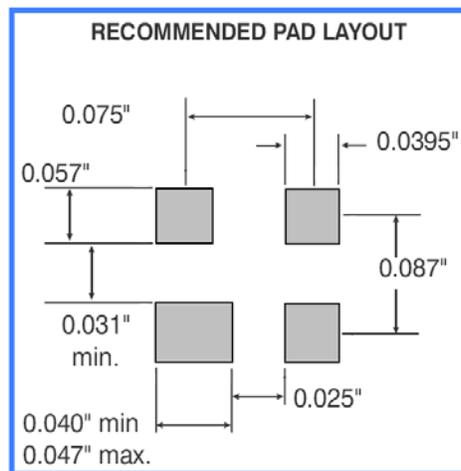
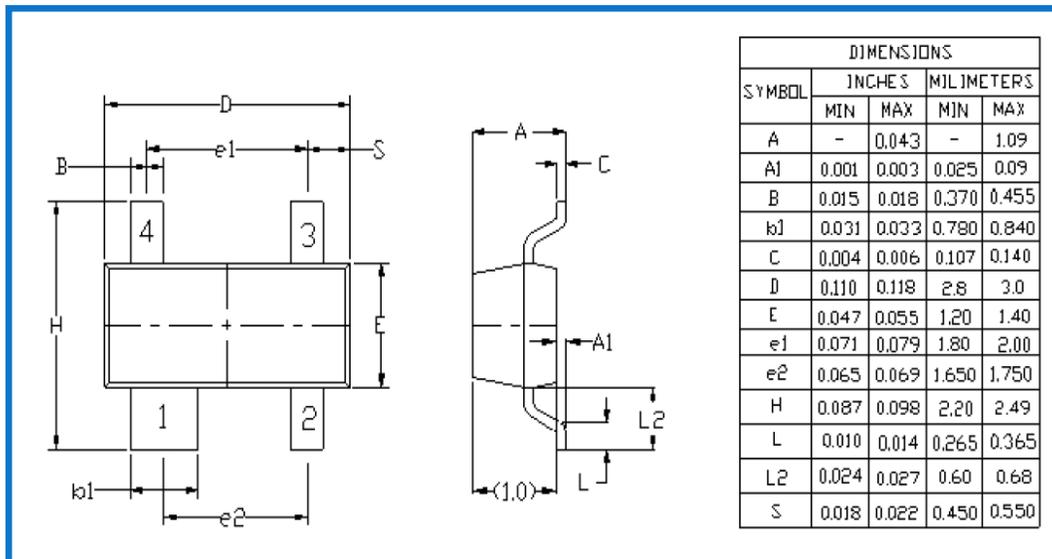
## MAXIMUM RATINGS

Rating	Symbol	Value	Units
Peak Pulse Power 8/20 $\mu$ 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	$V_{BR}$	$I_{BR} = 1\text{mA}$	40			V
Reverse Leakage Current	$I_R$	$V_R = 36\text{V}$			1	$\mu$ A
Clamping Voltage (8/20 $\mu$ s)	$V_C$	$I_{pp} = 1\text{A}$			55	V
Clamping Voltage (8/20 $\mu$ s)	$V_C$	$I_{pp} = 5\text{A}$			75	V
Maximum Peak Pulse Current	$I_{pp}$	8/20 $\mu$ s Waveform			5	A
Off State Junction Capacitance	$C_j$	0 Vdc Bias f = 1MHz Between pins 2,3,4 and 1			120	pF

## PACKAGE AND SUGGESTED PAD LAYOUT DIMENSIONS



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