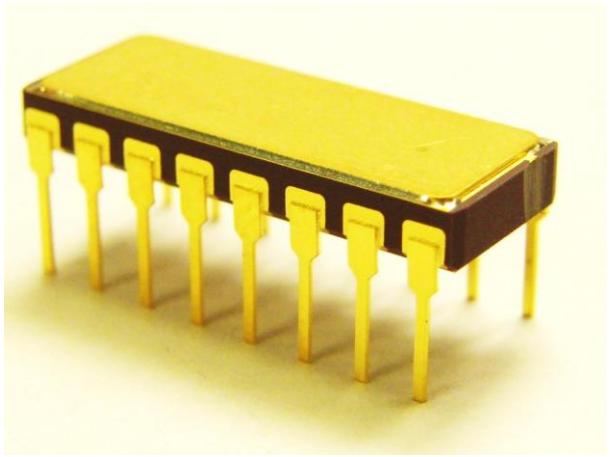
TECHNICAL DATA
DATASHEET 5397, REV. -

12 Channel TVS Array – 500W Low Capacitance

Application:

- **12 uni-directional TVS with steering diodes**
- **Can be paired for Bi-directional ESD protection**
- **500W capability for 8/20 µs repetitive pulses**
- **Capacitance below 25 pF – for use in high speed data lines**
- **Multichannel hybrid saves board space**
- **100% electrically tested for clamp performance**
- **Hermetic through hole package**
- **Add Suffix SS for JANS level Screening**



Protection Level:
IEC 61000-4-2
IEC 61000-4-4

DESCRIPTION: 500W, 25pF unidirectional 12 channel TVS array
MAX. RATINGS

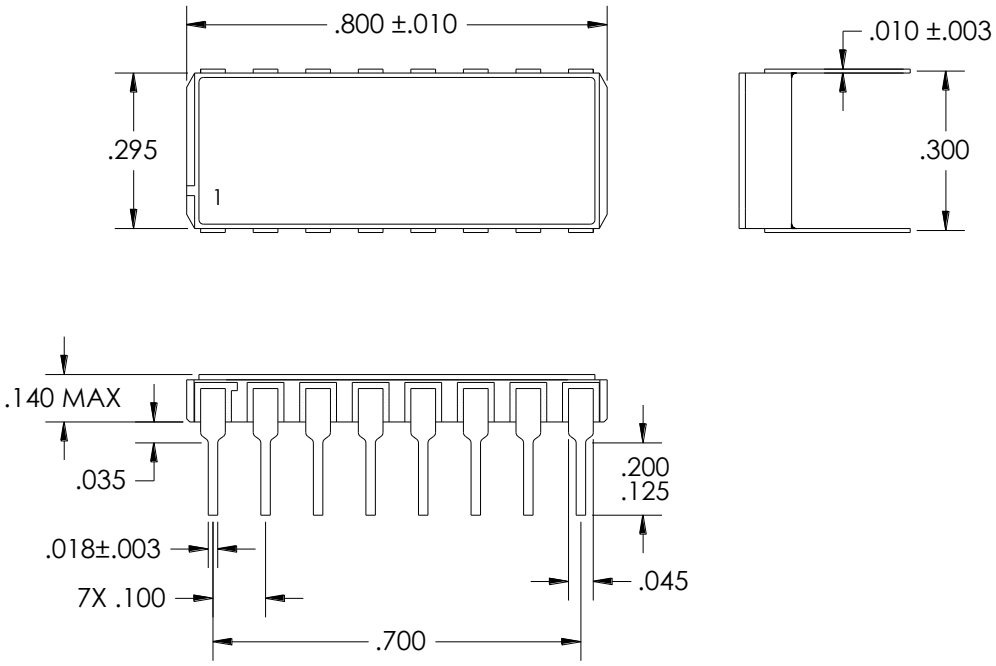
RATING	Symbol	MIN	TYP	MAX	UNIT
Peak Pulse Power 8/20 µs, $T_J = 25^0C$	P_{PP}	500	-	-	W
Junction and Storage Temperature	T_J T_{STG}	- 55	-	150	^0C
Recommended Operating Temperature	T_A	-55	-	100	^0C
Solder Temperature, 10s	T_S	-	-	260	^0C
Weight		-	-	3	gms

ELECTRICAL CHARACTERISTICS PER LEG All ratings are at $T_A = 25^oC$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Standoff Voltage	V_{WM}	-	-	24.0	V
Breakdown Voltage @ 1mA	V_{BR}	26.7	-	-	V
Leakage Current @ V_{WM}	I_R	-	-	4	µA

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Clamping Voltage @ 1A	V_{C1}	-	-	40.0	V
Clamping Voltage @ 10A	V_{C2}	-	-	46.9	V
Capacitance @ f = 1MHz, V_R = 0V	C_J	-	-	25	pF

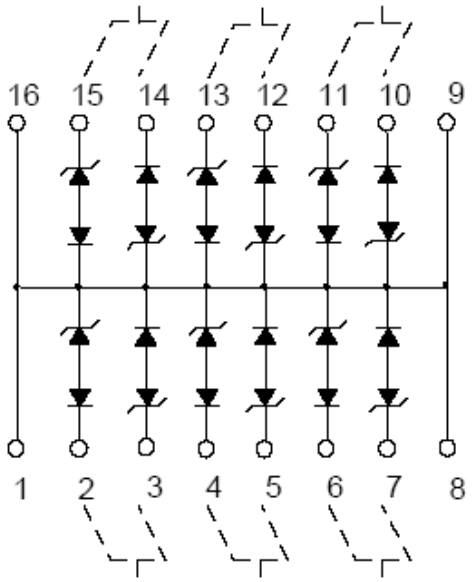
Mechanical Drawing



TOLERANCE = ±.005 UNLESS OTHERWISE NOTED

Schematic

TECHNICAL DATA
DATASHEET 5397, REV. -



Note: Dash lines in schematic show intended pairing for bi-directional applications.