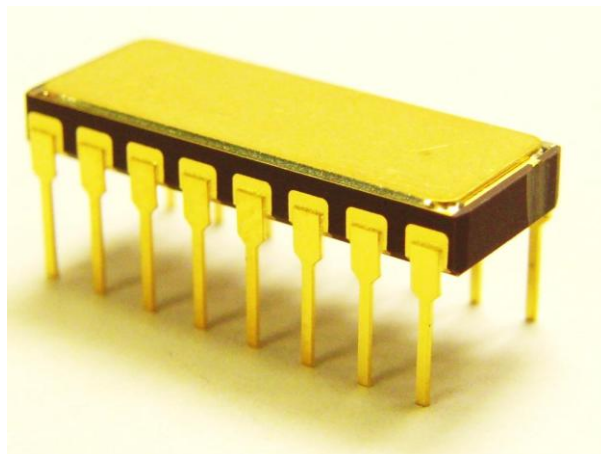


12 Channel TVS Array – 500W Low Capacitance

Application:

- 12 uni-directional TVS with steering diodes
- Can be paired for Bi-directional ESD protection
- 500W capability for 8/20 μ s 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 μ s, $T_J = 25^\circ\text{C}$	P_{PP}	500	-	-	W
Junction and Storage Temperature	T_J T_{STG}	- 55	-	150	$^\circ\text{C}$
Recommended Operating Temperature	T_A	-55	-	100	$^\circ\text{C}$
Solder Temperature, 10s	T_S	-	-	260	$^\circ\text{C}$
Weight		-	-	3	gms

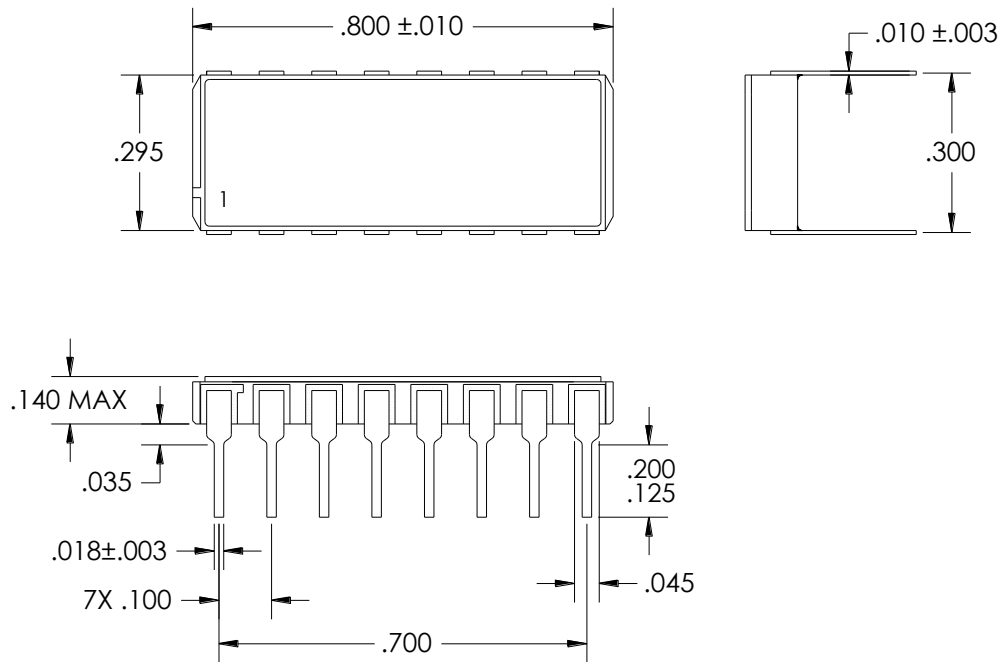
ELECTRICAL CHARACTERISTICS PER LEG

All ratings are at $T_A = 25^\circ\text{C}$ 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

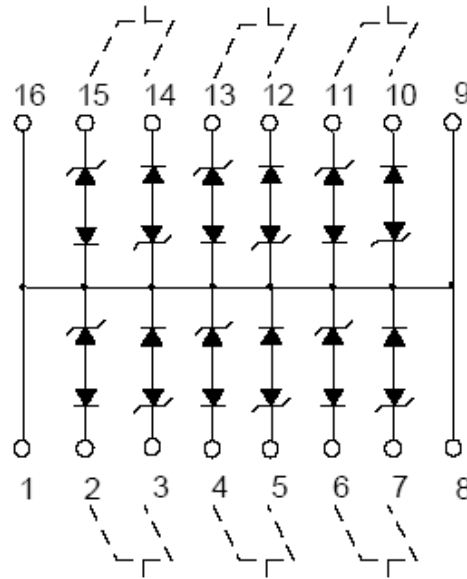
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Clamping Voltage @ 1A	V_{C1}	-	-	40.0	V
Clamping Voltage @ 10A	V_{C2}	-	-	46.9	V
Capacitance @ $f = 1\text{MHz}$, $V_R = 0\text{V}$	C_J	-	-	25	pF

Mechanical Drawing



TOLERANCE = $\pm .005$ UNLESS OTHERWISE NOTED

Schematic



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

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