TECHNICAL DATA DATASHEET 5324, Rev -

## **Diode Array**

- Each leg has two 1N5806 diodes for redundancy
- Die manufactured on qualified JANS line
- Devices Are Serialized
- Built And Screened To Space Level Quality
- Space Quality Level Conformance Testing Is Performed On Each Lot

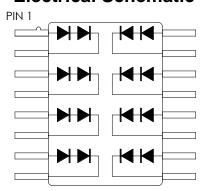
MAX. RATINGS / ELECTRICAL CHARACTERISTICS All rating at are  $T_A = 25^{\circ}$ C unless otherwise specified

MAX. NATINGS / ELECTRICAL CHARACTERISTICS All rating at are T <sub>A</sub> = 25°C unless otherwise specific		
SYMBOL	MAX	UNIT
PIV	300	V
Io	1.0	A
	0.75	
L.	10	A
¹tsm	10	Λ
T <sub>J</sub>	-55 to +150	°C
$T_OP$	-30 to 100	°C
$T_{stg}$	-65 to +175	°C
$V_{f}$	2.0	V
$T_A = 25^{\circ}C$	1	μΑ
$T_A = 100^{\circ}C$	50	
+	25	nc
ι <sub>rr</sub>	20	ns
$ heta_{ extsf{JC}}$	13	°C/W
	$\begin{array}{c} \text{SYMBOL} \\ \text{PIV} \\ \\ I_{O} \\ \\ I_{fsm} \\ \\ T_{J} \\ \\ T_{OP} \\ \\ T_{stg} \\ \\ V_{f} \\ \\ T_{A} = 25^{\circ}\text{C} \\ \\ T_{A} = 100^{\circ}\text{C} \\ \\ t_{rr} \\ \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Note \* - Total current is package dissipation limited to 3A

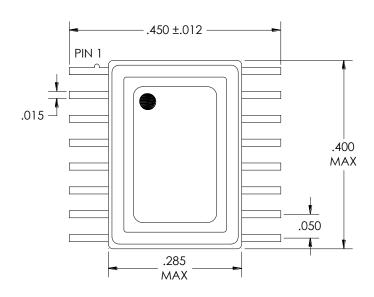
Note \*\* - Surge rating is limited by package wirebond

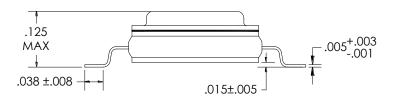
## **Electrical Schematic**



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## **Mechanical Outline**





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