SENSITRON
SEMICONDUCTOR

TECHNICAL DATA
DATASHEET 5324, Rev -

Diode Array

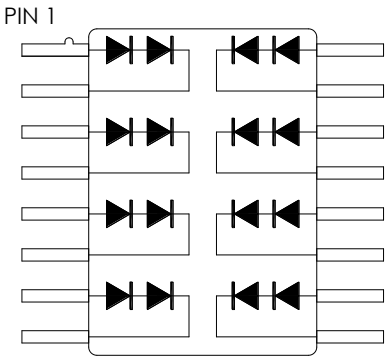
- ***Each leg has two 1N5806 diodes for redundancy***
- ***Die manufactured on qualified JANS line***
- ***Devices Are Serialized***
- ***Built And Screened To Space Level Quality***
- ***Space Quality Level Conformance Testing Is Performed On Each Lot***

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All rating at are $T_A = 25^OC$ unless otherwise specified

RATING	SYMBOL	MAX	UNIT
Peak Inverse Voltage (DC)	PIV	300	V
Average DC Output Current per leg * $T_A = 55^oC$ $T_A = 100^oC$	I_O	1.0 0.75	A
Peak Single Cycle Surge Current per leg ** (Tp=8.3ms single half-Sine wave)	I_{fsm}	10	A
Max. Operating Junction Temperature	T_J	-55 to +150	^oC
Max. Operating Ambient Temperature	T_{OP}	-30 to 100	^oC
Storage Temperature Range	T_{stg}	-65 to +175	^oC
Maximum forward voltage @ 1A	V_f	2.0	V
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^oC$ $T_A = 100^oC$	1 50	μA
Max. Reverse Recovery Time I_F =0.5 A, I_R= 1.0A, I_{RR} =0.25A	t_{rr}	25	ns
Thermal Resistance Junction to Case	θ_{JC}	13	$^oC/W$

Note * - Total current is package dissipation limited to 3A
Note ** - Surge rating is limited by package wirebond

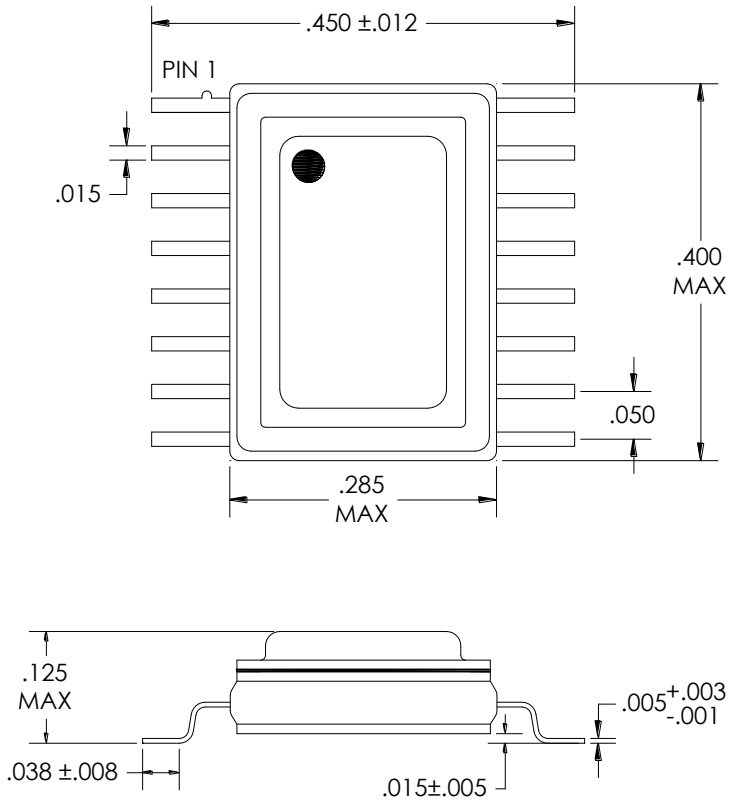
Electrical Schematic



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Mechanical Outline



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