PRELIMINARY TECHNICAL DATA DATASHEET 5460, Rev -

Diode Array

- Devices are serialized
- Eight 1N5806 diodes in surface mount package
- Die manufactured on qualified JANS line
- Built and screened to space level quality (SDA1008SS)
- Quality Conformance Inspection (QCI) in accordance with MIL-PRF-38534 is performed on each lot (SDA1008SS)
- Add suffix "S" for screening per MIL-PRF-38534, Class H (SDA1008S)
- Add suffix "SS" for Space Level Screening per MIL-PRF-38534, Class K (SDA1008SS)

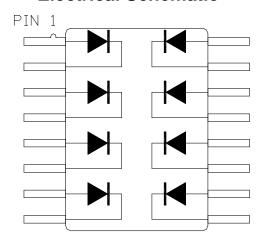
MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings at are $T_A = 25^{\circ}$ C unless otherwise specified

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All fattings at are 14 - 25 C utilies solvier wise specified				
RATING	SYMBOL	MAX	UNIT	
Peak Inverse Voltage (DC)	PIV	150	V	
Average DC Output Current per leg (1) $T_A = 55^{\circ}C$ $T_A = 100^{\circ}C$	Io	1.0 0.75	А	
Peak Single Cycle Surge Current per leg (2) (Tp=8.3ms single half-Sine wave)	I _{fsm}	10	А	
Max. Operating Junction Temperature	T _J	-55 to +150	°C	
Storage Temperature Range	T _{stg}	-55 to +175	°C	
Maximum forward voltage @ 1A	V _f	1.0	V	
Maximum Instantaneous Reverse Current At Rated (PIV)	$T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	1 50	μА	
Max. Reverse Recovery Time $I_F = 0.5 A$, $I_R = 1.0A$, $I_{RR} = 0.25A$	t _{rr}	35	ns	
Thermal Resistance Junction to Case	$\theta_{\sf JC}$	13	°C/W	

Note: (1) Total current is package dissipation limited to 3A

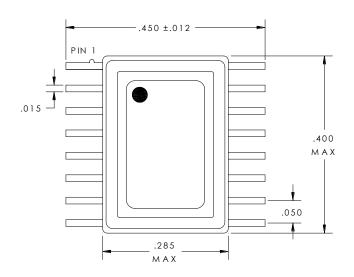
(2) Surge rating is limited by package wirebond

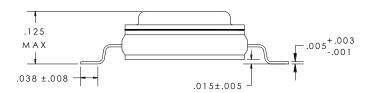
Electrical Schematic



PRELIMINARY TECHNICAL DATA DATASHEET 5460, Rev -

Mechanical Outline





PART ORDERING INFORMATION

Part Number	Sensitron Screening Level	Screened In Accordance to:
SDA1008	-	-
SDA1008S	S	MIL-PRF-38534, Class H
SDA1008SS	SS	MIL-PRF-38534, Class K

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