TECHNICAL DATA
DATASHEET 4303, Rev-

ZENER 5W VOLTAGE REGULATOR

PART NUMBER: 1C4981

CONFIGURATION: Zener 5W Voltage Regulator

- All ratings are @ Tc = 25 °C unless otherwise specified.
- Operating temperature: -55°C to +175°C
- Storage temperature: -65°C to +175°C

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
MIN ZENER VOLTAGE	Min V_Z	86.5	Vdc
MAX ZENER VOLTAGE	Max V_Z	95.5	Vdc
TEST CURRENT	I_Z	15	mAmps dc
MAXIMUM IMPEDANCE @ I_Z	Max Z_Z	90	ohm
REVERSE VOLTAGE	V_R	69.2	Vdc
MAXIMUM REVERSE CURRENT	Max I_{R1}	2.0	uAmps dc
MAXIMUM KNEE IMPEDANCE @ I_{ZK} = 1 mA	Max Z_K	760	ohm
MAXIMUM VOLTAGE REGULATION	Max V_Z(reg)	7.5	Vdc
MAXIMUM TEMPERATURE COEFFICIENT *	αV_Z	0.100	%/°C
POWER DISSIPATION *	Power	5	Watts

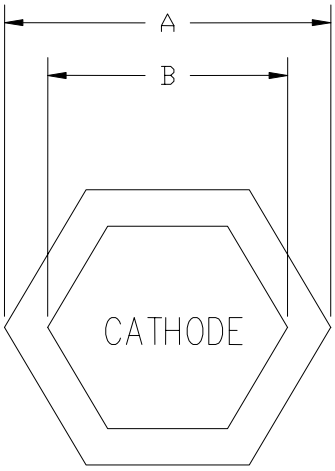
* Adequate energy absorption should be provided.

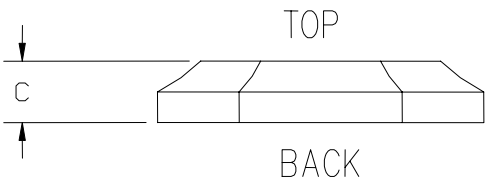
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SENSITRON

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DATASHEET 4303, Rev-

MECHANICAL DIMENSIONS: In Inches (mm)





Bottom side metalization: Al - 25 kÅ minimum or Ti/Ni/Ag - 30 kÅ minimum.

Top side metalization: Al - 25 kÅ minimum or Ti/Ni/Ag - 30 kÅ minimum.

Bottom side is anode, top side is cathode.

MIL-PRF	CHIP	DIMENSIONS – INCHES (MILIMETERS)					
		A		B		C	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
MIL-PRF-19500/356F	1C4981	0.087 (2.21)	0.091 (2.31)	0.069 (1.75)	0.075 (1.91)	0.0095 (0.24)	0.0105 (0.27)