

SEMICONDUCTOR

TECHNICAL DATA SHEET
DATASHEET 4225, Rev-

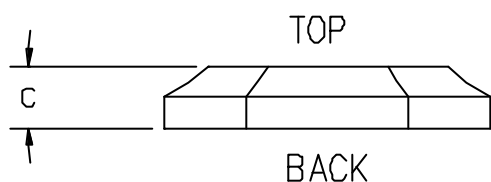
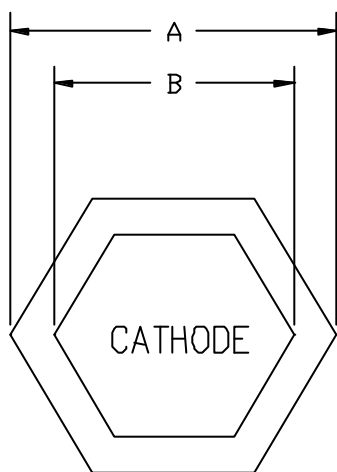
ZENER 5W VOLTAGE REGULATOR

- All ratings are @ $T_c = 25^\circ\text{C}$ unless otherwise specified.
- Operating temperature: -55°C to $+175^\circ\text{C}$ and storage temperature: -65°C to $+175^\circ\text{C}$

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
MIN ZENER VOLTAGE	Min V_Z	15.2	Vdc
MAX ZENER VOLTAGE	Max V_Z	16.8	Vdc
TEST CURRENT	I_Z	75	mAmps dc
MAXIMUM IMPEDANCE @ I_Z	Max Z_Z	3.5	ohm
REVERSE VOLTAGE	V_R	12.2	Vdc
MAXIMUM REVERSE CURRENT	Max I_{R1}	5.0	uAmps dc
MAXIMUM KNEE IMPEDANCE @ $I_{ZK} = 1\text{ mA}$	Max Z_K	155	ohm
MAXIMUM VOLTAGE REGULATION	Max $V_Z(\text{reg})$	1.1	Vdc
MAXIMUM TEMPERATURE COEFFICIENT *	αV_Z	0.08	%/ $^\circ\text{C}$
POWER DISSIPATION *	Power	5	Watts

* Adequate energy absorption should be provided.

MECHANICAL DIMENSIONS: In Inches (mm)



MIL-PRF	CHIP	DIMENSIONS – INCHES (MILIMETERS)					
		A		B		C	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
MIL-PRF-19500/356F	1C4958 to 1C4989	0.087 (2.21)	0.091 (2.31)	0.069 (1.75)	0.075 (1.91)	0.0095 (0.24)	0.0105 (0.27)

TECHNICAL DATA

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