

TECHNICAL DATA SHEET  
DATASHEET 4225, Rev-

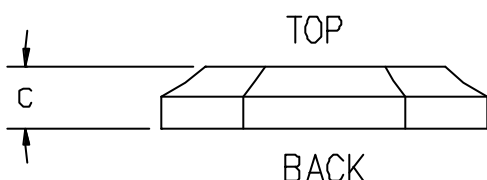
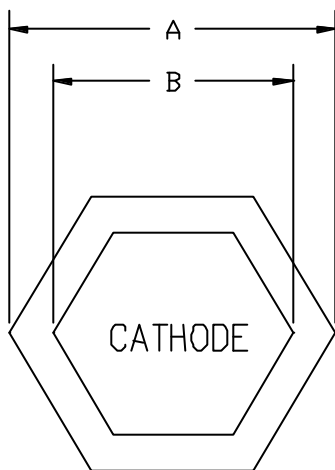
## ZENER 5W VOLTAGE REGULATOR

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

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 *	$\alpha V_Z$	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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