

TECHNICAL DATA SHEET
DATASHEET 4224, Rev-

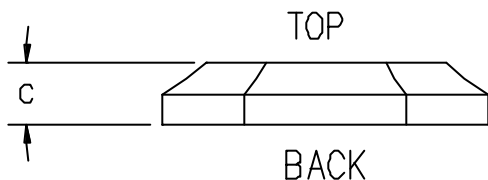
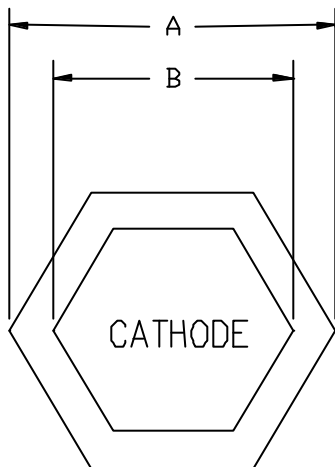
ZENER 5W VOLTAGE REGULATOR

- 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	17.1	Vdc
MAX ZENER VOLTAGE	Max V_Z	18.9	Vdc
TEST CURRENT	I_Z	65	mAmps dc
MAXIMUM IMPEDANCE @ I_Z	Max Z_Z	4	ohm
REVERSE VOLTAGE	V_R	13.7	Vdc
MAXIMUM REVERSE CURRENT	Max I_{R1}	5.0	μ Amps dc
MAXIMUM KNEE IMPEDANCE @ $I_{ZK} = 1\text{ mA}$	Max Z_K	160	ohm
MAXIMUM VOLTAGE REGULATION	Max $V_Z(\text{reg})$	1.2	Vdc
MAXIMUM TEMPERATURE COEFFICIENT *	αV_Z	0.085	%/ $^\circ\text{C}$
POWER DISSIPATION *	Power	5	Watts

* Adequate energy absorption should be provided.

MECHANICAL DIMENSIONS: In Inches (mm)



MIL-PRF	CHIP	DIMENSIONS – INCHES (MILLIMETERS)					
		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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