

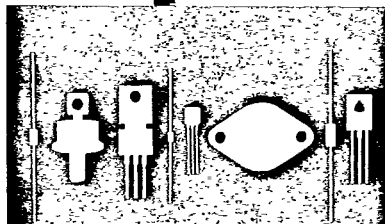
1989963 CENTRAL SEMICONDUCTOR

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1N4370A THRU 1N4372A

SILICON ZENER DIODE
500mW, 2.4 THRU 3.0 VOLTS

JEDEC DO-35 CASE*

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N4370A Series types are Silicon Zener Diodes mounted in a hermetically sealed glass package.

MAXIMUM RATINGS ($T_L=50^\circ\text{C}$)

	SYMBOL		UNIT
Power Dissipation	P_D	500	mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 TO +200	$^\circ\text{C}$

TOLERANCE DESIGNATIONS:

Suffix "A" $\pm 5\%$
Suffix "B" $\pm 2\%$
Suffix "D" $\pm 1\%$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise noted)

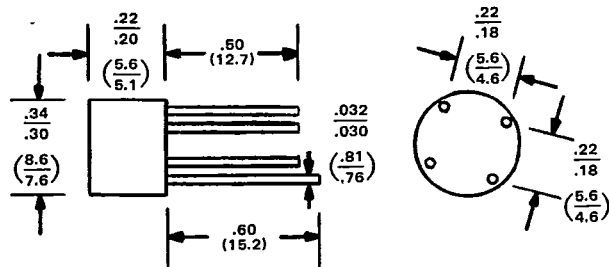
TYPE NO.	V_Z @ I_{ZT} NOM V	I_{ZT} mA	Z_{ZT} @ I_{ZT} MAX Ω	I_{ZM} MAX mA	I_R @ $V_R=1.0V$ MAX μA	I_R @ $V_R=1.0V$, $T_A=150^\circ\text{C}$ MAX μA
1N4370A	2.4	20	30	190	100	200
1N4371A	2.7	20	30	165	75	150
1N4372A	3.0	20	29	150	50	100

$V_F=1.5V$ MAX @ 200mA FOR ALL TYPES.

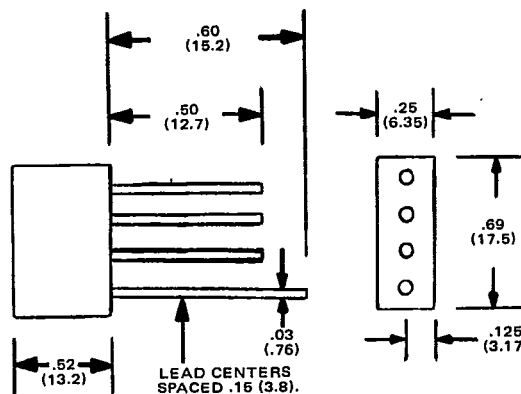
* $\pm 1\%$ or $\pm 2\%$ TOLERANCES DEVICES MAY BE SUPPLIED IN DO-35 OR DO-7 CASE.

CASE OUTLINE DRAWINGS

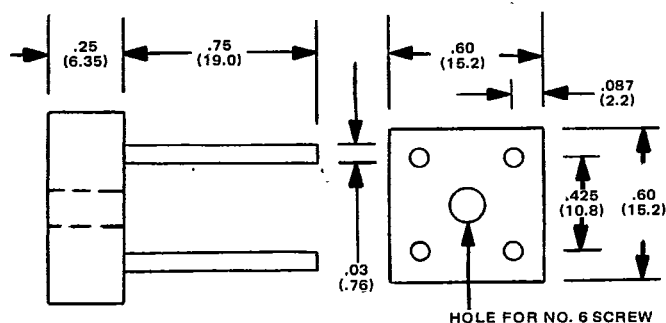
D



CASE A

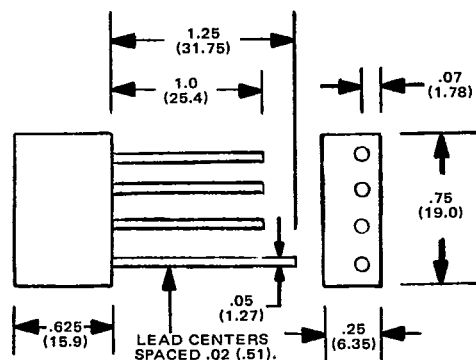
CBR1 Series
CBR2 Series

CASE B

CBR1-L Series
CBR2-L Series

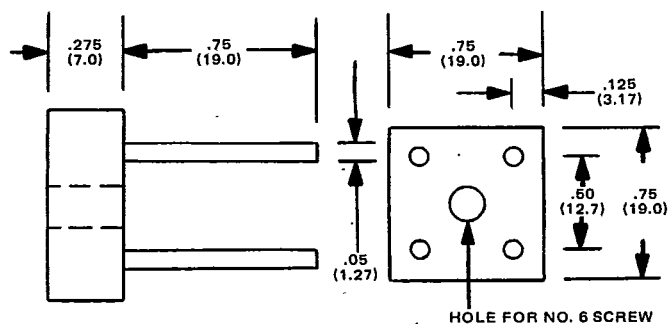
CASE C

CBR3-P Series



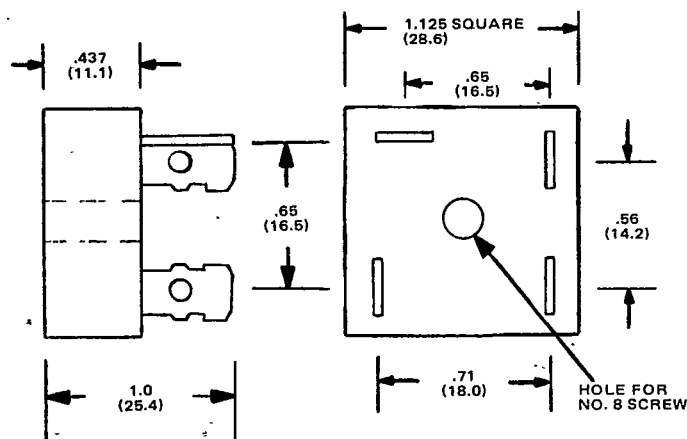
CASE D

CBR4-L Series



CASE E

CBR8 Series



CASE F

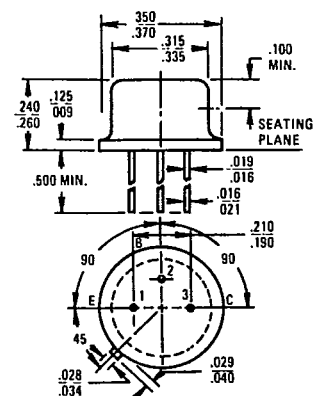
CBR10 Series, CBR25 Series
CBR12 Series, CBR30 Series

All Dimensions in Inches (Millimeters)

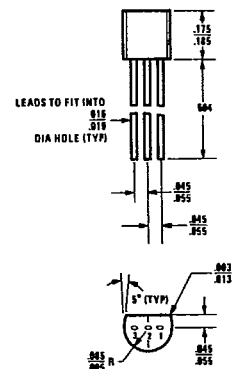
Drawings Not To Scale

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TO-39



TO-92



TO-106

