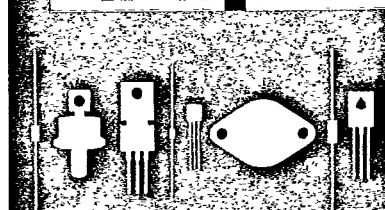


Central
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145 Adams Avenue
Hauppauge, New York 11788

61 DE 1989963 0000167 3



1N5059 THRU 1N5062

(A14B THRU A14P)

GLASS PASSIVATED RECTIFIER
2.5 AMPS, 200-1000 VOLTS

JEDEC DO-204 AP CASE

DESCRIPTION

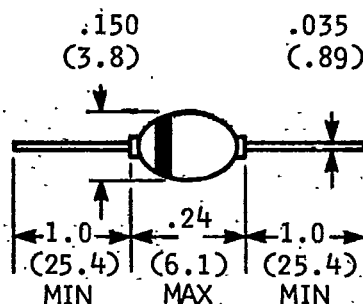
The CENTRAL SEMICONDUCTOR 1N5059, A14 series types are Silicon Rectifiers in a hermetically sealed, glass passivated package designed for general purpose applications where high reliability is desired.

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

	SYMBOL	1N5059 (A14B)	1N5060 (A14D)	1N5061 (A14M)	1N5062 (A14N)	A14P	UNIT
Peak Reverse Voltage	PRV	200	400	600	800	1000	V
DC Blocking Voltage	V_R	200	400	600	800	1000	V
Average Forward Current	I_O	2.5	2.5	2.5	2.5	2.5	A
Peak Forward Surge Current	I_{FSM}	50	50	50	50	50	A
Peak Forward Surge Current	I_{FSM}	100	100	100	100	100	A
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 TO +175					$^{\circ}\text{C}$

¹ Full Load, One Cycle, 8mSEC² No Load, One Cycle, 1mSECELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

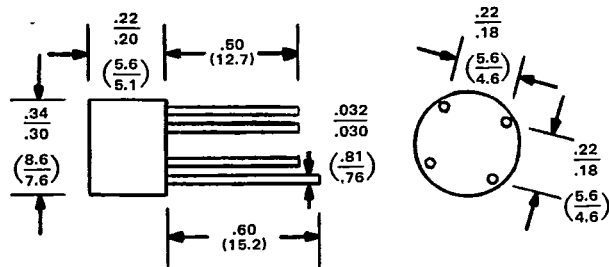
SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	V_R =Rated		5.0	μA
V_F	I_F =1.0A		1.2	V



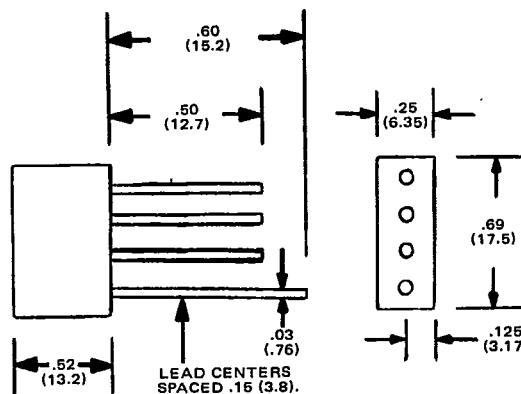
DIMENSIONS IN INCHES (MILLIMETERS).

CASE OUTLINE DRAWINGS

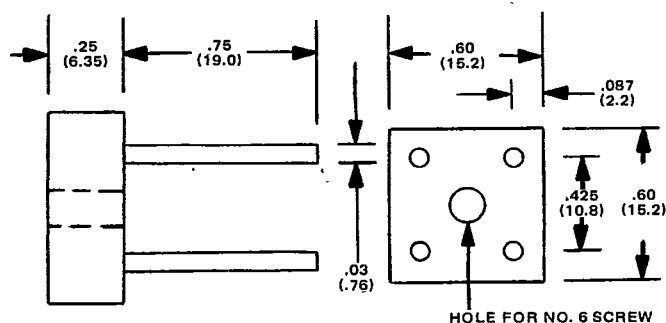
D



CASE A

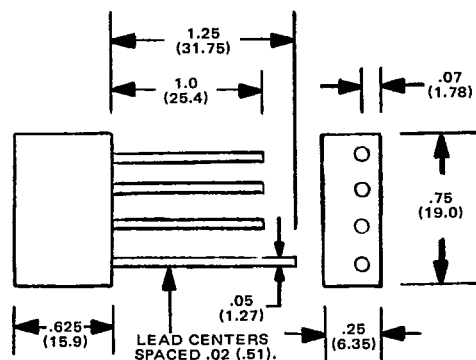
CBR1 Series
CBR2 Series

CASE B

CBR1-L Series
CBR2-L Series

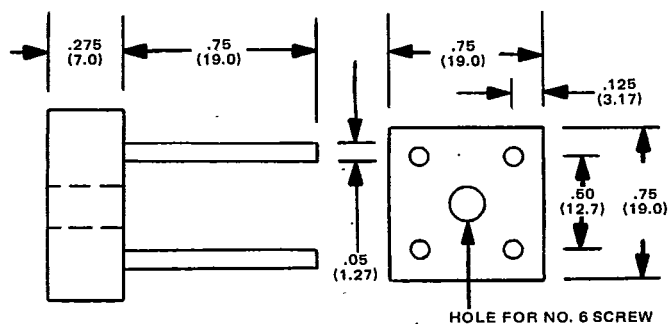
CASE C

CBR3-P Series



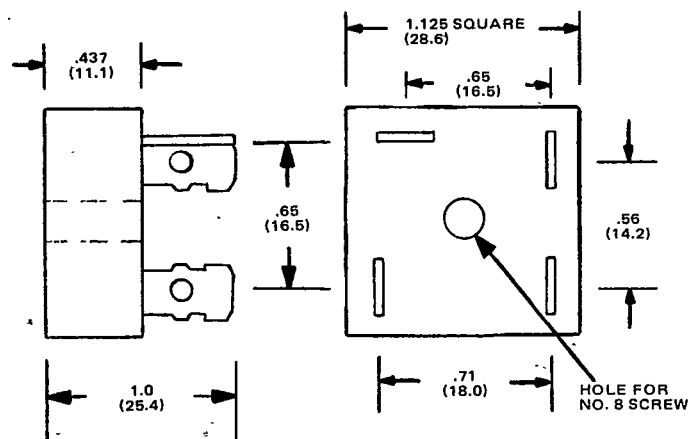
CASE D

CBR4-L Series



CASE E

CBR8 Series



CASE F

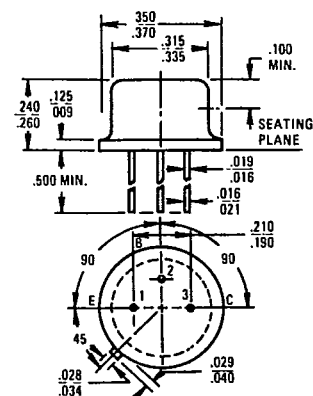
CBR10 Series, CBR25 Series
CBR12 Series, CBR30 Series

All Dimensions in Inches (Millimeters)

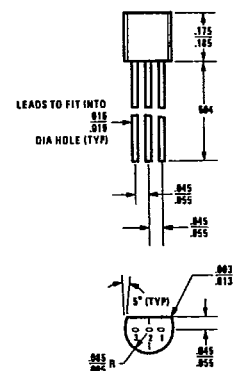
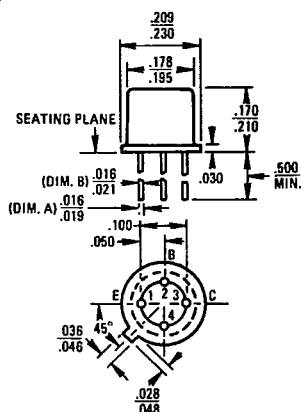
Drawings Not To Scale

カ

TO-39



TO-92

**TO-106**