

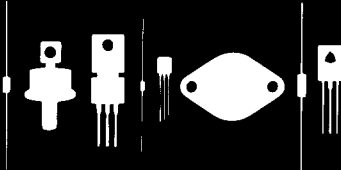
Central Semiconductor Corp.

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145 Adams Avenue
Hauppauge, New York 11788



1N295

GERMANIUM DIODE

JEDEC DO-7 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N295 is a point contact Germanium Diode in a hermetically sealed glass case, designed for general purpose applications.

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

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	V_{RRM}	40	V
Average Forward Current	I_0	50	mA
Peak Forward Current	I_{FM}	150	mA
Peak Forward Surge Current (1.0s)	I_{FSM}	500	mA
Operating and Storage Junction Temperature	T_J, T_{stg}	-50 TO +75	$^{\circ}\text{C}$

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

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V_F	$I_F=4.0\text{mA}$		1.0	V
BVR	$I_R=1.0\text{mA}$	40		V
I_R	$V_R=10\text{V}$		100	μA
I_R	$V_R=30\text{V}$		500	μA

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