

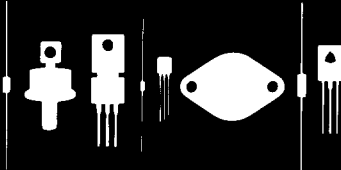
Central Semiconductor Corp.

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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	$\mu\text{A}$
$I_R$	$V_R=30\text{V}$		500	$\mu\text{A}$

**Central**<sup>TM</sup>  
**Semiconductor Corp.**

145 Adams Avenue  
Hauppauge, NY 11788 USA  
Tel: (631) 435-1110 • Fax: (631) 435-1824  
[www.centralsemi.com](http://www.centralsemi.com)