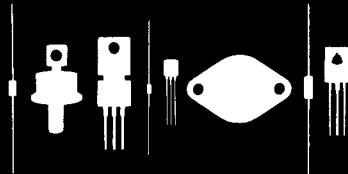


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145 Adams Avenue
Hauppauge, New York 11788



1N5331

SILICON POWER RECTIFIER
12 AMPS, 1200 VOLTS

JEDEC DO-4 CASE

DESCRIPTION

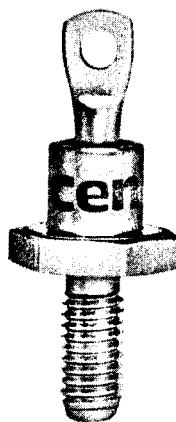
The CENTRAL SEMICONDUCTOR 1N5331 type is a medium current silicon power rectifier designed for general purpose rectifier applications. Normal polarity is cathode to case (stud). For reverse polarity, add "R" suffix to part number.

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

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Reverse Voltage	V_{RRM}	1200	V
DC Blocking Voltage	V_R	1200	V
RMS Reverse Voltage	$V_R(\text{RMS})$	840	V
Average Forward Current ($T_C=100^\circ\text{C}$)	I_O	12	A
Peak Forward Surge Current	I_{FSM}	240	A
Operating and Storage Junction Temperature	T_J, T_{STG}	-65 TO +200	$^\circ\text{C}$

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

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V_F	$I_F=12\text{A}$		1.35	V
I_R	$V_R=1200\text{V}$		0.5	mA



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