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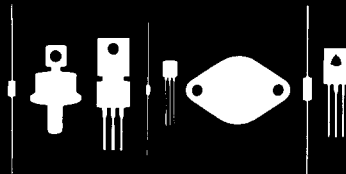
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145 Adams Avenue  
Hauppauge, New York 11788



1N4139 THRU 1N4146

SILICON RECTIFIER  
3.0 AMPS, 50 THRU 1200 VOLTS

JEDEC DO-201AD CASE

## DESCRIPTION

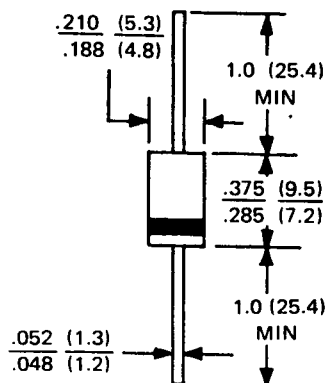
The CENTRAL SEMICONDUCTOR 1N4139 series types are high quality axial lead silicon power rectifiers designed for power supply and general purpose rectifier applications.

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

	1N4139	1N4140	1N4141	1N4142	1N4143	1N4144	1N4145	1N4146	UNIT
$V_{RRM}$	50	100	200	400	600	800	1000	1200	V
$V_R$	50	100	200	400	600	800	1000	1200	V
$V_{R(RMS)}$	35	70	140	280	420	560	700	840	V
$I_O$ ( $T_A=110^\circ\text{C}$ )				3.0					A
$I_{FSM}$				300					A
$T_J, T_{stg}$				-65 to +175					$^\circ\text{C}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
$V_F$	$I_F=3.0\text{A}$		1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$		100	$\mu\text{A}$
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=150^\circ\text{C}$		1.0	mA



Dimensions in inches and (millimeters)

**Central<sup>TM</sup>**  
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