

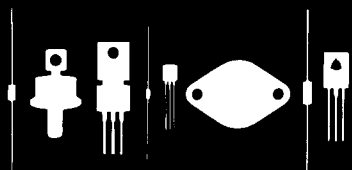
Manufactured
under U.S. Patent # 2,941,724

**Central
Semiconductor Corp.**

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145 Adams Avenue
Hauppauge, New York 11788



1N4139 THRU 1N4146

SILICON RECTIFIER
3.0 AMPS, 50 THRU 1200 VOLTS

JEDEC D0-201AD CASE

DESCRIPTION

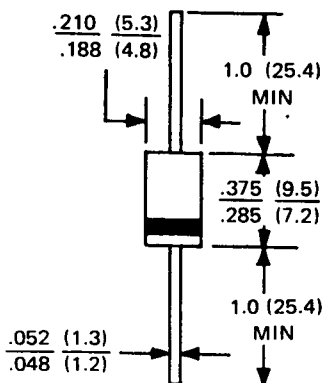
The CENTRAL SEMICONDUCTOR 1N4139 series types are high quality axial lead silicon power rectifiers designed for power supply and general purpose rectifier applications.

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	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=150^{\circ}\text{C}$		1.0	mA



Dimensions in inches and (millimeters)

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