

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

1N5400 THRU 1N5408
SILICON RECTIFIER
3.0 AMPS, 50 THRU 1000 VOLTS
AXIAL LEAD EPOXY CASE (CASE 103)

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N5400 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)

	1N5400	1N5401	1N5402	1N5403	1N5404	1N5405	1N5406	1N5407	1N5408	UNIT
V_{RRM}	50	100	200	300	400	500	600	800	1000	V
V_R	50	100	200	300	400	500	600	800	1000	V
$V_R(\text{RMS})$	35	70	140	210	280	350	420	560	700	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)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
V_F	$I_F=3.0\text{A}$		1.1	V
I_R	$V_R=\text{Rated } V_{RRM}$		5.0	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=110^\circ\text{C}$		500	μA