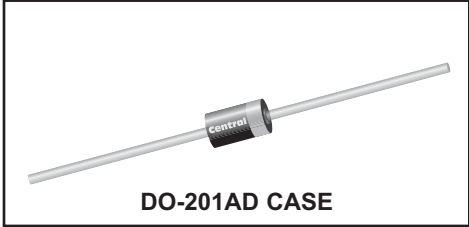


1N5400 THRU 1N5408
SILICON RECTIFIERS
3.0 AMP, 50 THRU 1000 VOLT



www.centralemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1N5400 series types are axial lead silicon power rectifiers designed for power supply and general purpose rectifier applications.

MARKING: FULL PART NUMBER

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

		1N										
	SYMBOL	5400	5401	5402	5403	5404	5405	5406	5407	5408	UNITS	
Peak Repetitive Reverse Voltage	V_{RRM}	50	100	200	300	400	500	600	800	1000	V	
DC Blocking Voltage	V_R	50	100	200	300	400	500	600	800	1000	V	
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	210	280	350	420	560	700	V	
Average Forward Current ($T_A=75^\circ\text{C}$)	I_O						3.0					A
Peak Forward Surge Current (tp=8.3ms)	I_{FSM}						200					A
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +175									$^\circ\text{C}$	

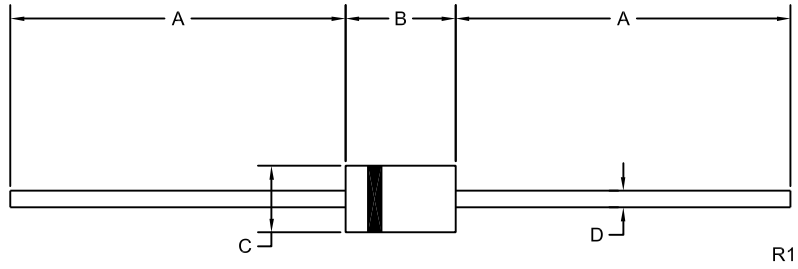
ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_R	V_R =Rated V_{RRM}		5.0	μA
I_R	V_R =Rated V_{RRM} , $T_A=100^\circ\text{C}$		500	μA
V_F	$I_F=3.0\text{A}$		1.2	V

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DO-201AD CASE - MECHANICAL OUTLINE



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	1.000	-	25.40	-
B	0.283	0.375	7.20	9.53
C	0.189	0.210	4.80	5.33
D	0.047	0.052	1.20	1.32

DO-201AD (REV: R1)

MARKING: FULL PART NUMBER

R1 (11-March 2013)