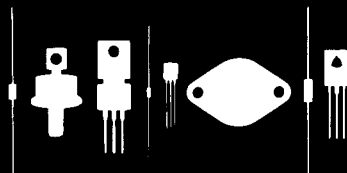


REPLACES:
 Motorola 1N4001 thru 1N4004
**Central
 Semiconductor Corp.**
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**Central™
 Semiconductor Corp.**
 145 Adams Avenue
 Hauppauge, New York 11788



1N4383 THRU 1N4385
 1N4585 AND 1N4586
 1.0 AMP RECTIFIER
 200 THRU 1000 VOLTS
 JEDEC DO-41 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1 ampere axial lead hermetically sealed glass silicon rectifier is a high quality, well constructed, highly reliable component designed for use in all types of military, commercial, industrial, entertainment, computer, and automotive applications.

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

SYMBOL	1N4383	1N4384	1N4385	1N4585	1N4586	UNIT
V_{RRM}	200	400	600	800	1000	V
$V_R(RMS)$	140	280	420	560	700	V
$I_O(T_A=100^{\circ}\text{C})$				1.0		A
$I_{FSM}(8.3ms)$				50		A
T_J, T_{stg}			-65 to +200			$^{\circ}\text{C}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V_F	$I_F=1.0A$		1.1	V
I_R	$V_R=\text{Rated } V_{RRM}$		10	μA
t_{rr}		10TYP		μs

**Central™
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PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

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