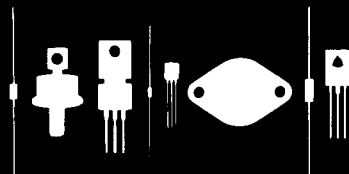


Central  
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 Central<sup>TM</sup>  
 Semiconductor Corp.  
 145 Adams Avenue  
 Hauppauge, New York 11788



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	$\mu A$
$t_{rr}$		10TYP		$\mu s$

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## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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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

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### DESIGNER SUPPORT/SERVICES

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

- Free quick ship samples (2<sup>nd</sup> 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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### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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### CONTACT US

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# Mouser Electronics

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