

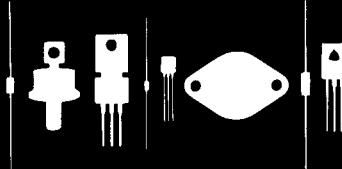
Central Semiconductor Corp.

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Central™
Semiconductor Corp.

145 Adams Avenue
Hauppauge, New York 11788



1N485B
1N486B

SILICON DIODE

JEDEC DO-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N485B, 1N486B types are silicon planar diodes designed for low leakage applications.

MAXIMUM RATINGS (T_A = 25°C)

	<u>SYMBOL</u>	<u>1N485B</u>	<u>1N486B</u>	<u>UNITS</u>
Peak Repetitive Reverse Voltage	V _{RRM}	200	250	V
Peak Working Reverse Voltage	V _{RWM}	180	225	V
Average Forward Current	I _O	200	200	mA
Forward Steady-State Current	I _F	500	500	mA
Peak Repetitive Forward Current	I _{FM}	600	600	mA
Peak Forward Surge Current (1.0μs pulse)	I _{FSM}	4.0	4.0	A
Peak Forward Surge Current (1.0s pulse)	I _{FSM}	1.0	1.0	A
Power Dissipation	P _D	500	500	mW
Operating and Storage				
Junction Temperature	T _J , T _{stg}	-65 to + 200		°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>1N485B</u>		<u>1N486B</u>		<u>UNITS</u>
		<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>	
BV _R	I _R = 100μA	200	250			V
I _R	V _R = Rated V _{RWM}		25	50		nA
I _R	V _R = Rated V _{RWM} , T _A = 150°C		5.0	10		μA
V _F	I _F = 100mA		1.0	1.0		V

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OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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

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).

CONTACT US

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Worldwide Distributors:

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For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centralsemi.com/terms

Product End of Life Notification

PDN ID:	PDN01047
Notification Date:	8/19/16
Last Buy Date:	2/19/17
Last Shipment Date	8/19/17

Summary: The 1N485B and 1N486B low leakage silicon diodes in the DO-35 case are discontinued and now classified as End of Life (EOL).

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by various manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's Product Management Process. Any replacement product will be noted below. The effective date for placing the last purchase order will be six(6) months from the date of this notice and twelve(12) months from the notice date for final shipments; this may be extended if inventory is available.

<u>Central Part Number</u>	<u>Replacement</u>
1N485B BK	N/A
1N485B TR	N/A
1N486B BK	N/A
1N486B TR	N/A

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. Please email your requests to engineering@centralesemi.com.

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.