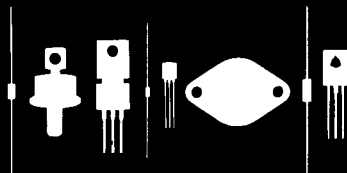


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145 Adams Avenue
Hauppauge, New York 11788



1N816

FORWARD REFERENCE DIODE
(STABISTOR)

JEDEC DO-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N816 is a Silicon Forward Reference Diode designed for low level voltage regulating applications where a stabistor is required.

MAXIMUM RATINGS

	<u>SYMBOL</u>		<u>UNIT</u>
DC Power Dissipation [*] Operating and Storage Junction Temperature	P_D	400	mW
	T_J, T_{stg}	-65 TO +175	°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>
Forward Reference Voltage	V_F	$I_F=1.0\text{mA}$	0.58	0.70	VOLTS
Forward Reference Voltage	V_F	$I_F=100\text{mA}$		1.0	VOLTS
Reverse Leakage Current	I_R	$I_R=4.0\text{V}$		0.1	μA
Peak Reverse Voltage	BV_R	$I_R=100\mu\text{A}$	40		VOLTS

1.

2.

LEAD CODE

Lead 1 - Cathode
Lead 2 - Anode

^{*} $T_L=30^{\circ}\text{C}$, Lead Length=.375"

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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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