

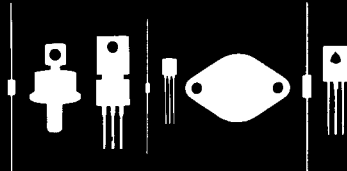
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145 Adams Avenue  
Hauppauge, New York 11788



1N816

FORWARD REFERENCE DIODE  
(STABISTOR)

JEDEC D0-35 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 <sup>*</sup> Operating and Storage Junction Temperature	$P_D$	400	mW
	$T_J, T_{stg}$	-65 TO +175	°C

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

	<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
Forward Reference Voltage	$V_F$	$I_F=1.0mA$	0.58	0.70	VOLTS
Forward Reference Voltage	$V_F$	$I_F=100mA$		1.0	VOLTS
Reverse Leakage Current	$I_R$	$I_R=4.0V$		0.1	$\mu A$
Peak Reverse Voltage	$BV_R$	$I_R=100\mu A$	40		VOLTS

1.

2.

### LEAD CODE

Lead 1 - Cathode  
Lead 2 - Anode

<sup>\*</sup> $T_L=30^{\circ}C$ , Lead Length=.375"

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