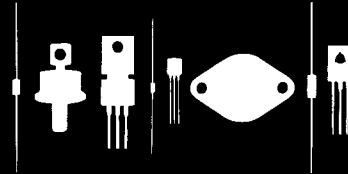


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145 Adams Avenue
Hauppauge, New York 11788



1N276

GERMANIUM SWITCHING DIODE

JEDEC DO-7 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N276 is a gold bonded germanium diode mounted in a hermetically sealed glass case, designed for switching applications.

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

	<u>SYMBOL</u>		<u>UNIT</u>
Peak Repetitive Reverse Voltage	VRRM	50	V
D. C. Forward Current	IF	40	mA
Peak Forward Current	IFM	200	mA
Peak Forward Surge Current (1.0s)*	IFSM	400	mA
Power Dissipation**	PD	80	mW
Operating and Storage Junction Temperature	TJ, TSTG	-65 TO +100	°C

*Non-recurrent

**Derate above 25°C 10mW/10°C

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

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNIT</u>
IR	VR=50V		100	µA
IR	VR=10V, TA=75°C		100	µA
BVR	IR=100µA	50		V
VF	IF=40mA		1.0	V
trr	IF=5mA to VR=40V, Recov. to 0.5mA		300	ns

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