1N276

GERMANIUM
SWITCHING DIODE

DO-7 CASE

www.centralsemi.com

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

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	50	V
DC Forward Current	I_F	40	mA
Peak Forward Current	I_{FM}	200	mA
Peak Forward Surge Current, tp=1.0s (Note 1)	I_{FSM}	400	mA
Power Dissipation (Note 2)	P_D	80	mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +100	°C

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_R	V_R=50V		100	μA
I_R	V_R=10V, T_A=75°C		100	μA
BV_R	I_R=100μA	50		V
V_F	I_F=40mA		1.0	V
t_{rr}	I_F=5.0mA to V_R=40V, I_{rr}=0.5mA		300	ns

Notes: (1) Non-recurrent
(2) Derate above 25°C 1.0mW/10°C

R1 (30-April 2014)

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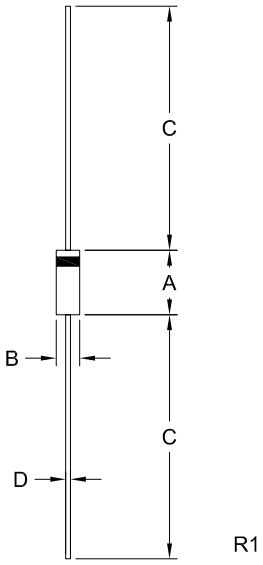
DO-7 CASE - MECHANICAL OUTLINE



R1

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.230	0.300	5.84	7.62
B (DIA)	0.085	0.107	2.16	2.72
C	1.000	-	25.40	-
D (DIA)	0.018	0.022	0.46	0.56

DO-7 (REV: R1)