



**FEATURES**

- Solder plate
- DO-7 package
- Very low noise level
- Non-ESD sensitive (>15 KV)

**Gold Bonded Germanium Diode**

**1N276**

**SPECIAL FEATURES**

- Thirty years of proven reliability
- Ideally suited for schottky diode replacement
- Low forward voltage drop – low power consumption



**RELIABILITY DATA**

- One million hours mean time between failures (MTBF)
- Passes all mechanical and environmental requirements of MIL-S-19500
- Solder plate surpasses requirements of MIL-STD 202, Method 208, 8 hour Steam Age Test

**MAXIMUM RATINGS<sup>1</sup>**

Peak Inverse Voltage (min)	60 V
Peak Forward Current	500 mA
Operating Temperature	-65° C to +85° C
Average Power Dissipation	80 mW

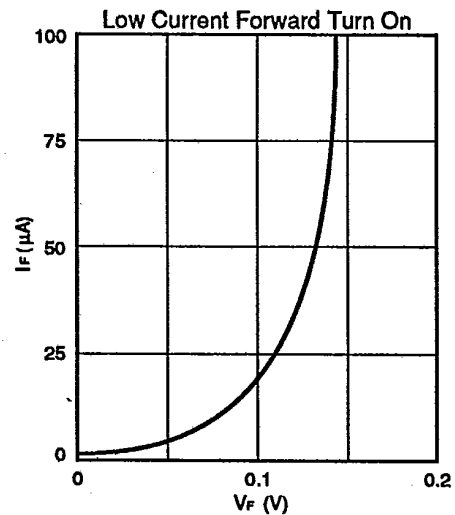
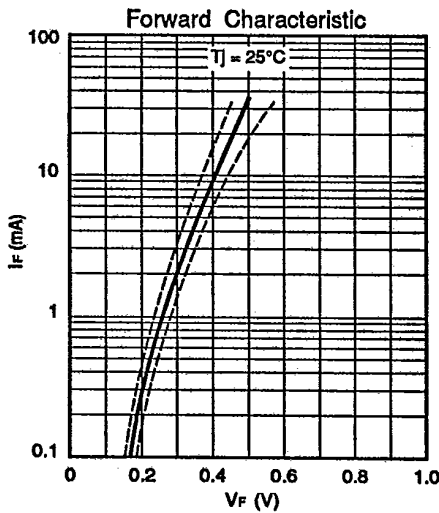
Note: 1. Tc @ 25°C, unless otherwise specified

**ELECTRICAL CHARACTERISTICS<sup>1</sup>**

Reverse Current [I <sub>R</sub> @ 50 V]	100 μA (max)
Reverse Current [I <sub>R</sub> @ 10 V, Tc @ 75°C]	100 μA (max)
Forward Voltage [V <sub>F</sub> @ 40 mA]	1 V (max)
Reverse Recovery <sup>2</sup>	300 nS (max)

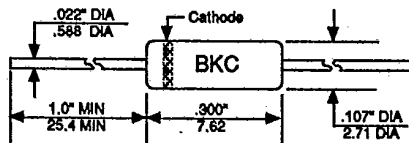
Note: 2. I<sub>F</sub> = 5 mA, V<sub>R</sub> = - 40 V, Recover in <

**Typical Electrical Performance**



**MECHANICAL**

JEDEC DO-7  
Package  
1/16" (MAX)  
mm



8004--9055

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