



FEATURES

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

Gold Bonded Germanium Diode

1N276

Schottky Diode Replacement

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 RATINGS¹

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

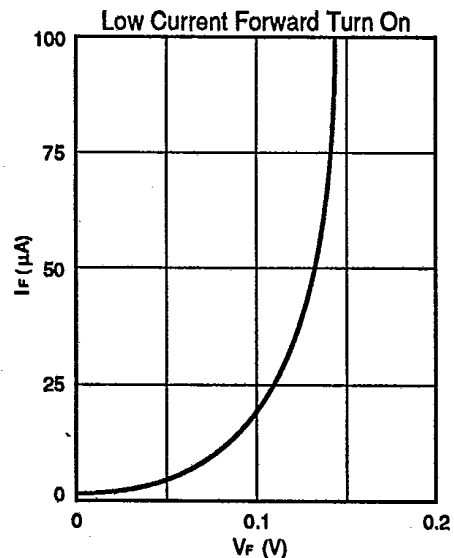
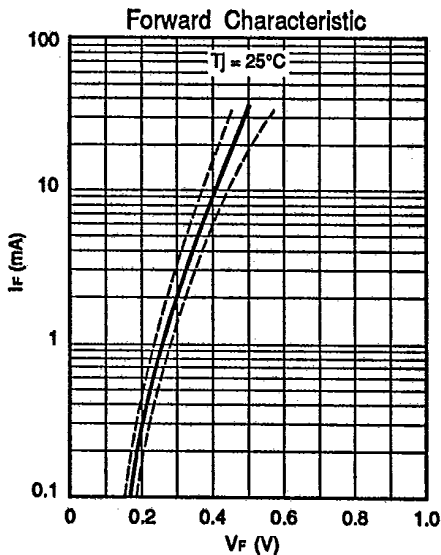
Note: 1. Tc @ 25°C, unless otherwise specified

ELECTRICAL CHARACTERISTICS¹

Reverse Current [I _R @ 50 V]	100 μA (max)
Reverse Current [I _R @ 10 V, T _c @ 75°C]	100 μA (max)
Forward Voltage [V _F @ 40 mA]	1 V (max)
Reverse Recovery ²	300 nS (max)

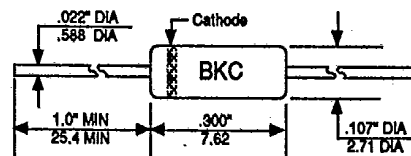
Note: 2. I_F = 5 mA, V_R = - 40 V, Recover in <

Typical Electrical Performance



MECHANICAL

JEDEC DO-7 Package
 $\frac{1}{16}$ in (MAX)
 1.58 mm



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