

## Type No. 1N103

## GOLD BONDED GERMANIUM DIODE

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BKC International  
Electronics Inc.

## FEATURES

Low forward voltage drop—low power consumption

Thirty years of proven reliability—one million hours mean time between failures (MTBF)

Very low noise level

Metallurgically bonded

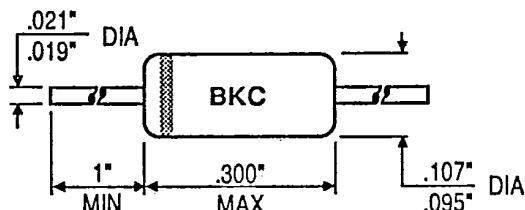
## ABSOLUTE MAXIMUM RATINGS (at 25 °C, unless otherwise specified)

|                             |                  |
|-----------------------------|------------------|
| Peak Inverse Voltage        | 12 Volts         |
| Peak Forward Current        | 500 mA           |
| Operating Temperature Range | - 65 °C to 85 °C |
| Average Power Dissipation   | 80 mW            |

## ELECTRICAL CHARACTERISTICS

|                      | Symbol         | Conditions | Min | Max | Unit | T °C  |
|----------------------|----------------|------------|-----|-----|------|-------|
| Peak Inverse Voltage | PIV            | 1 mA       | 12  |     | V    | 25 °C |
| Reverse Current      | I <sub>r</sub> | 5 V        |     | 100 | μA   | 25 °C |
| Forward Voltage      | V <sub>f</sub> | 30 mA      |     | 1   | V    | 25 °C |

## MECHANICAL



Passes all mechanical and environmental requirements of MIL-S-19500, including shock and vibration.