

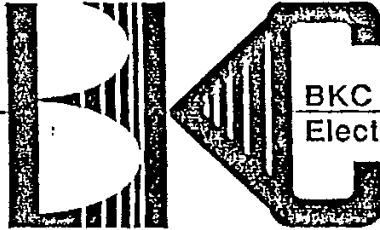
Type No. 1N192

T-03-07

**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

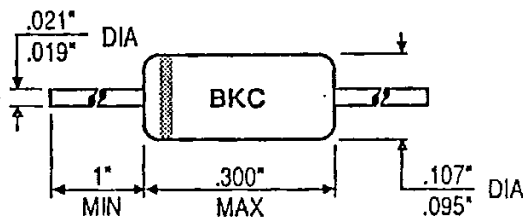
**ABSOLUTE MAXIMUM RATINGS** (at 25 °C, unless otherwise specified)

|                             |                  |
|-----------------------------|------------------|
| Peak Inverse Voltage        | 70 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       | 70  |     | V     | 25 °C |
| Reverse Current      | I <sub>r</sub>  | 10 V       |     | 20  | μA    | 25 °C |
| Reverse Current      | I <sub>r</sub>  | 70 V       |     | 50  | μA    | 50 °C |
| Forward Voltage      | V <sub>f</sub>  | 5 mA       |     | 1   | V     | 25 °C |
| Reverse Recovery     | T <sub>rr</sub> | See Note   |     | 500 | n Sec |       |

Note: I<sub>f</sub> = 30, V<sub>r</sub> = -35, Recover to 50 kΩ.

**MECHANICAL**

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