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**GOLD BONDED DIODES**

**TYPE 1N270**

- 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

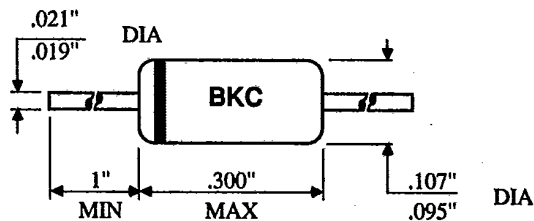
**ABSOLUTE MAXIMUM RATINGS**

Peak Inverse Voltage	100V	@ 25 °C
Peak Forward Current	500mA	unless
Operating Temperature Range	-65°C to 85°C	otherwise
Average Power Dissipation	80mW	specified

**ELECTRICAL CHARACTERISTICS**

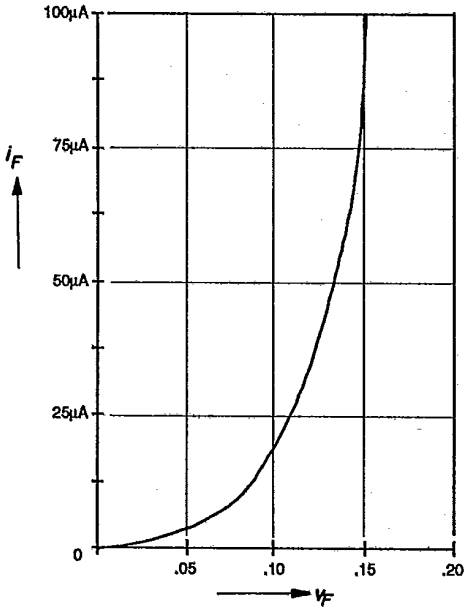
	Symbol	Conditions	Min.	Max.	Unit	T °C
Peak Inverse Voltage	PIV	1mA	100		V	25°
Reverse Current	I <sub>r</sub>	50V		100	uA	25°
Forward Voltage	V <sub>f</sub>	200mA		1.0	V	25°

**MECHANICAL**

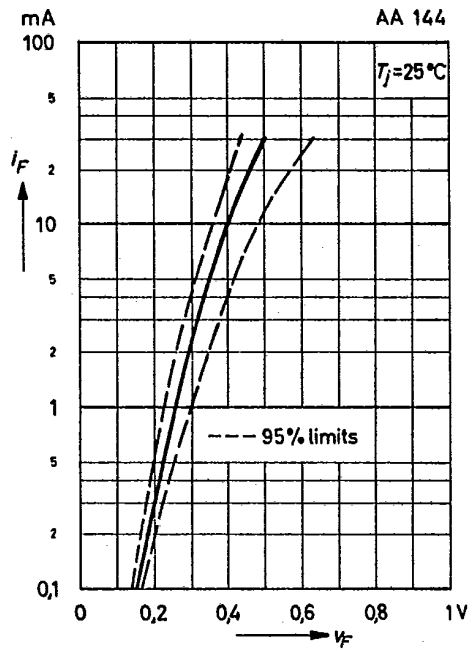


Passes all mechanical and environmental requirements of MIL-S-19500, including shock and vibration.

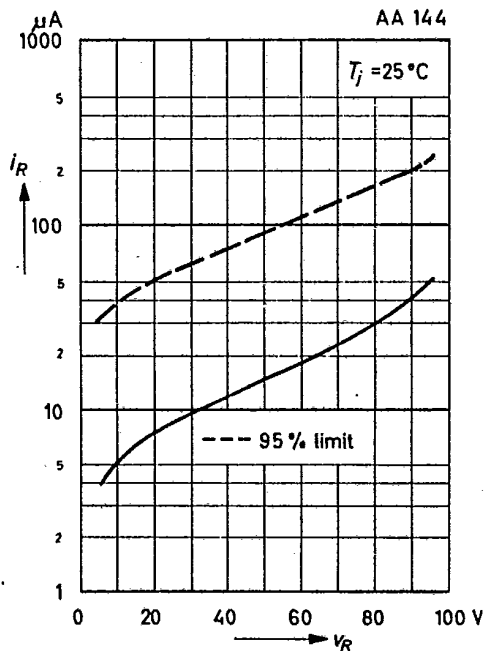
### Low Current Forward Turn On



### Foward Characteristic



### Reverse Characteristic



### Rectification Current Versus Peak Inverse Voltage at Half Wave Rectification and Resistive Load

