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GOLD BONDED DIODES

TYPE **1N4524**

- 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

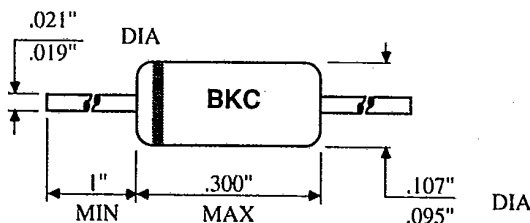
Peak Inverse Voltage	10V	@ 25 °C unless otherwise specified
Peak Forward Current	500mA	
Operating Temperature Range	-65°C to 85°C	
Average Power Dissipation	80mW	

ELECTRICAL CHARACTERISTICS

	Symbol	Conditions	Min.	Max.	Unit	T °C
Peak Inverse Voltage	PIV	100uA	10		V	25°
Inverse Current	I _r	6V		12	uA	25°
Forward Voltage	V _f	1mA		.35	V	25°
Forward Voltage	V _f	10mA		.65	V	25°
Capacitance	C	3V		2	pF	25°
Reverse Recovery	T _{rr}	See Note		3	nsec	25°

Note: I_f = 10mA, V_r = 6V, R_L = 50Ω, recover to 1mA

MECHANICAL



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