

# PIN DIODES

## LOW STRIPLINE

The MH 151 and MH 153 types are single mesa passivated PIN diodes, mounted in shunt, in broadband hermetic stripline packages. These devices are optimized for low V.S.W.R. through I band, and feature low insertion loss. They are intended for stripline circuits.

### Packaged diodes

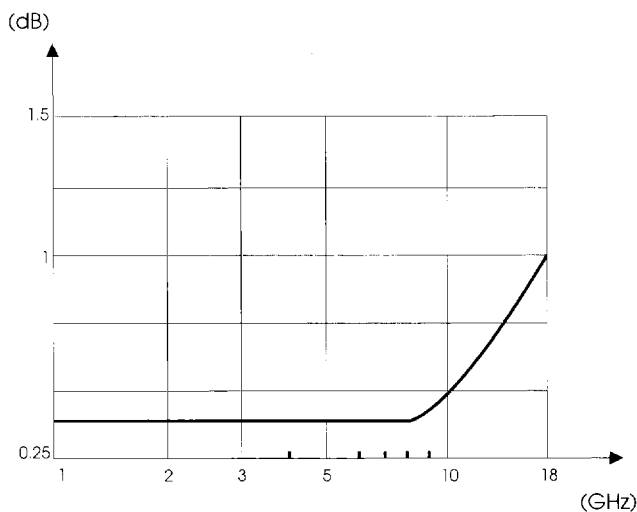
CHARACTERISTICS at 25°C		POLARITY	FREQUENCY RANGE GHz	ISOLATION dB	INSERTION LOSS dB	V.S.W.R. (max)	POWER INPUT P <sub>in</sub>
TEST CONDITIONS			N / A	f = 9 GHz I <sub>f</sub> = 25 mA P <sub>in</sub> = 1 mW	f = 9 GHz V <sub>R</sub> = 0 V P <sub>in</sub> = 1 mW	N / A	N / A
DIODE PACKAGE			GHz	dB typ	dB typ		W
TYPE	CASE			typ	typ	typ	Max W
MH 151	BMH 76	cathode grounded	1 to 18	20	0.5	1.5	30
MH 153		anode grounded					

Temperature range :

Operating Junction (T<sub>j</sub>) : -55°C to +150°C

Storage : -65°C to +175°C

Typical insertion loss vs frequency



Typical isolation vs frequency

