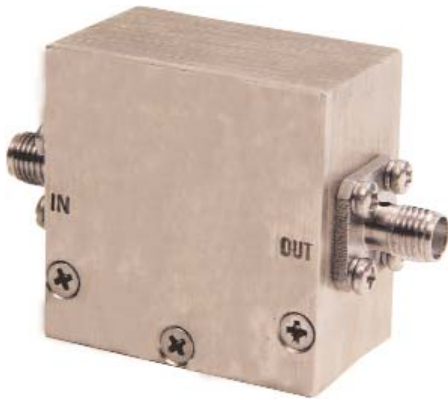


Frequency Multiplier (x2)

Series BXMF1000 (Customizable 5 - 500 MHz)



Features

- Fast Switching Speed
- Low Conversion Loss: 12 dB
- High Input Threshold: +13 dBm
- Optional Output Filtering
- Environmental Screening Available

Description

Spectrum Microwave offers a line of low noise frequency doublers. These custom designed assemblies cover input frequency ranges of 5 to 500 MHz with output frequencies in the range of 10 to 1000 MHz. Narrowband or broadband devices are available with optional filtering to improve performance.

Additive phase noise testing ensures low phase noise. The doublers are available in an SMA connectorized 1.3" X 1.3" X 0.8" package. Other package options are available.

Applications

- Synthesizer Building Block
- SIGINT
- ELINT
- EW

Typical Specifications

Input Frequency	5 to 500 MHz
Input Level	+13 dBm
Output Frequency	10 to 1000 MHz
Output Level	+10 dBm
Bandwidth	2%
Switching Speed	90 nsec
Harmonics	-60 dBc
DC Power	+28 V @ 275 mA +15 V @ 75 mA
Temp Range	0°C to +75°C

All specifications above measured at 25 °C

Dimensions and Connections

1.3" L x 1.3" W x 0.8" H

Revision: 7/5/2012