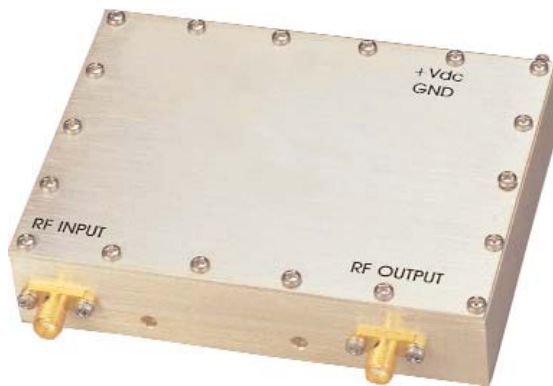


Frequency Multiplier (x15)

Model BXMF1011 (400 - 500 MHz)



Features

- Excellent Harmonic Performance: -50 dBc
- High Input Threshold: +17 dBm
- Low Sub-Harmonic Content: -60 dBc
- Environmental Screening Available

Description

Spectrum Microwave offers a complete line of low noise, odd order SRD frequency multipliers, which exhibit excellent phase noise performance. The input signal is amplified, multiplied, and filtered at X Band. Filtering in this series of multipliers is accomplished through a very narrow, high Q bandpass filter.

All internal semiconductors are housed in rugged, hermetically sealed packages to ensure excellent performance over military environmental conditions.

Additive phase noise testing is performed on each device to ensure low phase noise/jitter performance.

Applications

- Synthesizer Building Block
- SIGINT
- ELINT
- EW

Typical Specifications

Input Frequency	400 to 500 MHz
Input Level	+17 dBm
Output Frequency	6 - 7.5 GHz
Output Level	+3 dBm
Bandwidth	2%
Switching Speed	90 nsec
Harmonics	-50 dBc
Sub-Harmonics	-60 dBc
DC Power	+15 V @ 110 mA -5 V @ 1 mA
Temp Range	0°C to +75°C

All specifications above measured at 25 °C

Dimensions and Connections

2" L x 3.5" W x 1" H

Revision: 11/26/2012