

### MX Series

### 2X Multiplier, High Frequency

#### GENERAL CHARACTERISTICS

- Output Frequency: 10 to 30 GHz
- Conversion Gain: 7 to 10 dB Nominal
- Input Level: 0 to +7 dBm
- Output Power: +7 to +10 dBm
- Output / Input isolation: >20 dB
- Supply Voltage: +5 to +12 VDC

- Harmonics: <-30 dBc
- Subharmonics: <-25 dBc (1/2 & 3/2) Fout
- Spurs: <-70 dBc
- Modular Package: 0.96" x 0.80" x 0.43"  
(24.4 x 20.3 x 10.9)mm

#### PRODUCT FEATURES

- Extremely High Frequency

#### APPLICATIONS

- Satcom



### Typical Performance for Select Units

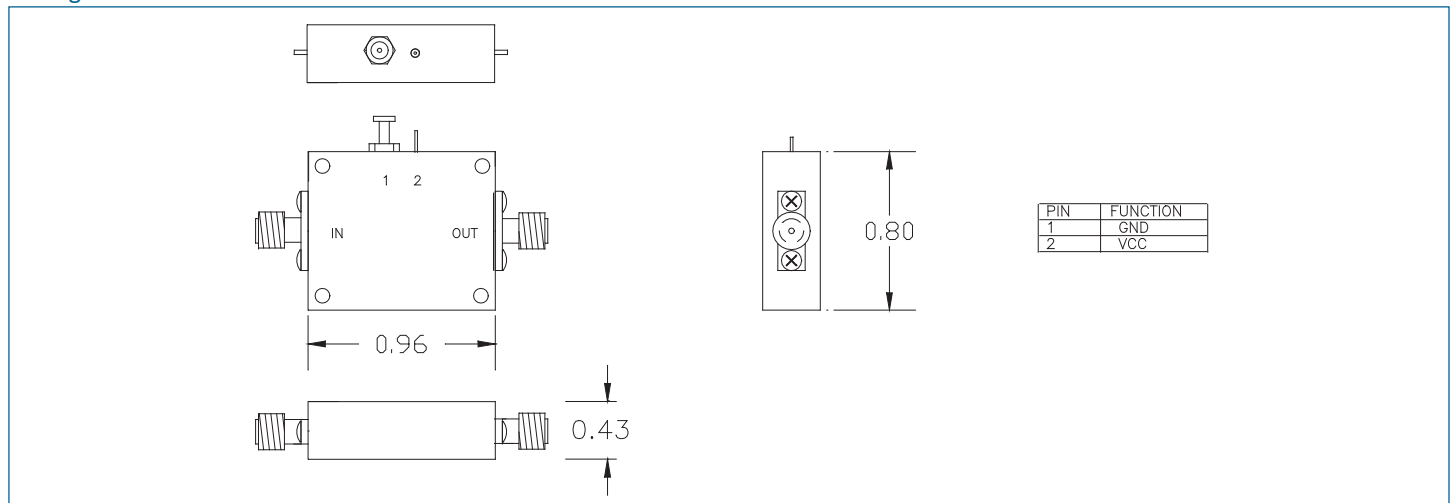
Model #	Freq. In (MHz)	Freq. Out (MHz)	Conv. Gain (dB)	Power Out (dBm)	Iso. (dBm)	Harm. (dBc)	Supply Voltage (Vdc)	Current (mA)
M2X-12500-XX	6000-6500	12000-13000	7	+7	>20	-30	+5	140
M2X-13800-XX	5100-6900	10200-13800	10	+10	>20	-30	+5	140
M2X-18200-XX	6700-9100	13400-18200	10	+10	>20	-30	+5	140
M2X-21200-XX	10133.5-10600	20267-21200	7	+7	>20	-30	+12	140
M2X-25200-XX	12400-12600	24800-25200	7	+10	>20	-30	+12	140

\*Custom frequencies available. All specifications are typical unless otherwise specified and subject to change without notice.

### Phase Noise



### Package



Note: All dimensions are in inches, unless otherwise specified

\*Drawing not to scale