



Blue Tops RF Modules > Low Noise Mixer

Features:

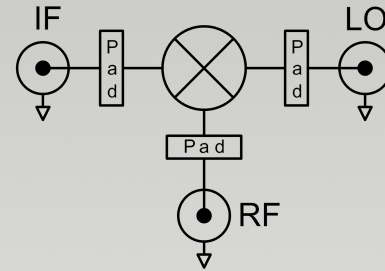
- Frequency Range: 1 MHz to 3.4 GHz
- Low Phase Noise
- Integral Attenuators
- Modular Integrated Design

Applications:

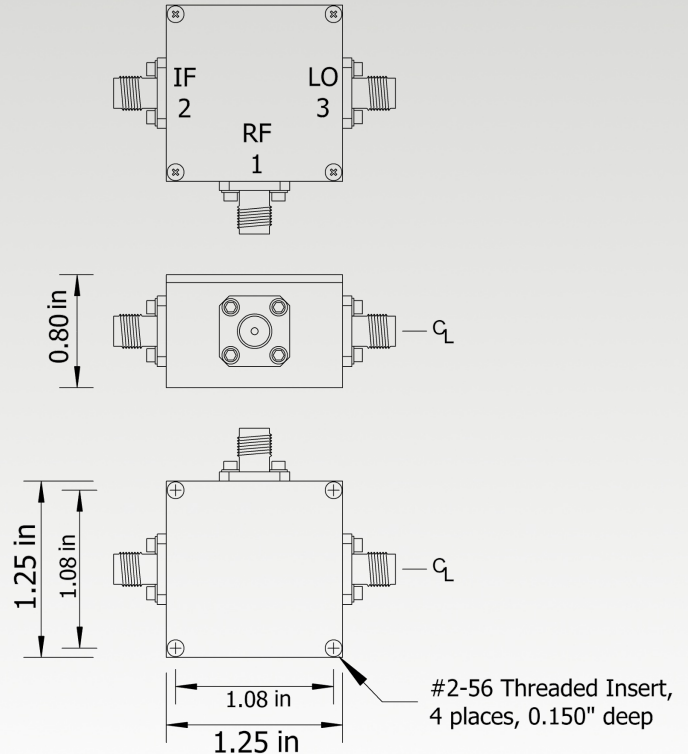
- Synthesizer Building Block
- Communication Systems
- Radar Systems
- Electronic Warfare Systems

Description:

The LNMX mixer consists of a commercial TO-8 or surface mount mixer and selected attenuators on each port. The standard mixer is the M8TH mixer from M/A Com, but other mixers are available upon request. The integral pads make it easy to adjust the mixer levels for optimum performance without additional costly external attenuators.



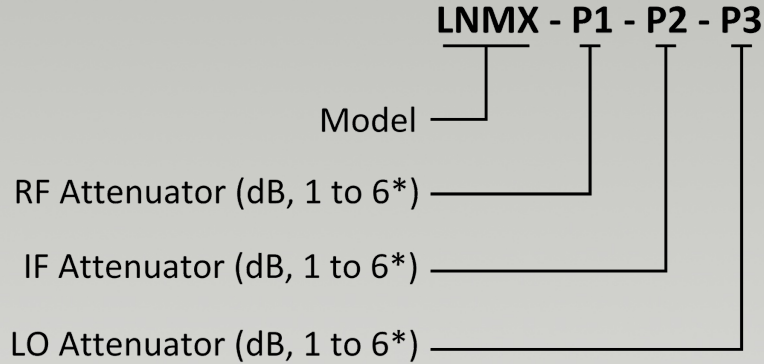
Electrical Specifications	
Frequency Range	
LO	1 to 3400 MHz
RF	1 to 3400 MHz
IF	1 to 2000 MHz
LO Drive	+23 dBm, nominal
Conversion Loss	8.0 dB
Isolation	
L-R	35 dB, typical
L-I	35 dB, typical
R-I	21, typical dB
1 dB Conversion Compression	+17 dBm, typical
Input Intercept Point (IP3)	+29 dB, typical
Operating Temperature	0 to +50°C
Storage Temperature	-40 to +85°C
Mechanical	
Dimensions	1.25" x 1.25" x 0.8"
Housing	Nickel-Plated Machined Aluminum
RF Inputs / Output	SMA female *
* SMA female connectors are used unless otherwise specified. Other options include SMA male, right angle SMAs, BNC female and others. Contact factory for custom configurations.	





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Ordering Information:



* Use "X" if no attenuator is required.

Standard P/N	RF Attenuator	IF Attenuator	LO Attenuator
LNMX-X-X-X	No Attenuator	No Attenuator	No Attenuator
LNMX-1-1-1	1 dB	1 dB	1 dB
LNMX-2-X-2	2 dB	No Attenuator	2 dB
LNMX-5-X-X	5 dB	No Attenuator	No Attenuator
LNMX-5-X-3	5 dB	No Attenuator	3 dB
LNMX-6-6-6	6 dB	6 dB	6 dB