

Datasheet
Description

A high performance harmonic mixer series offering low conversion loss with no bias required. Suitable for use with Agilent and Rohde & Schwarz spectrum analysers for frequency extension applications.

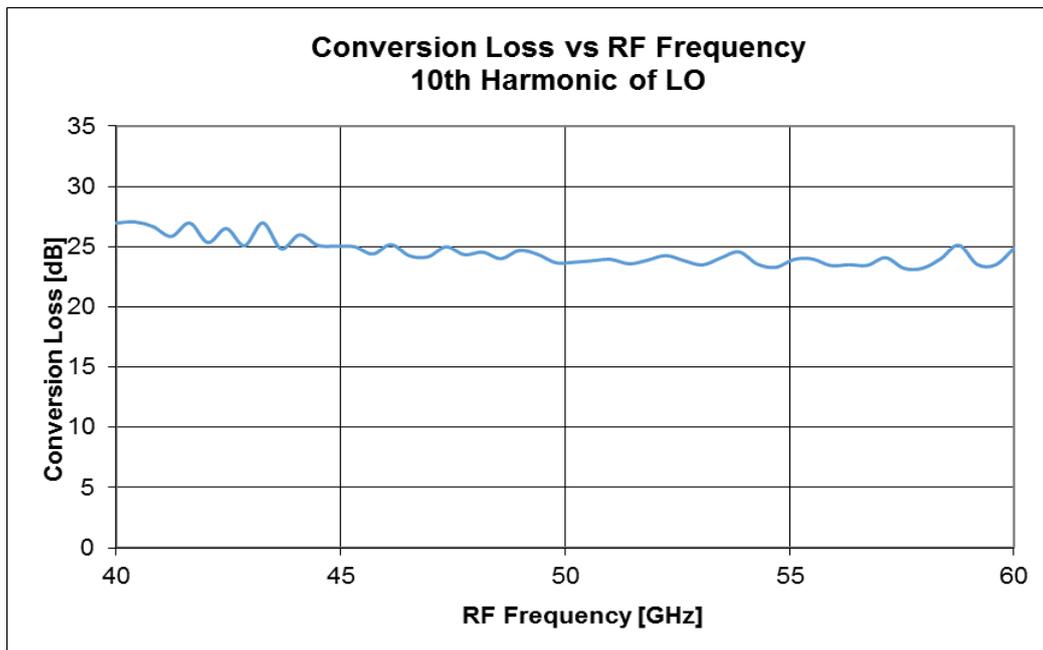
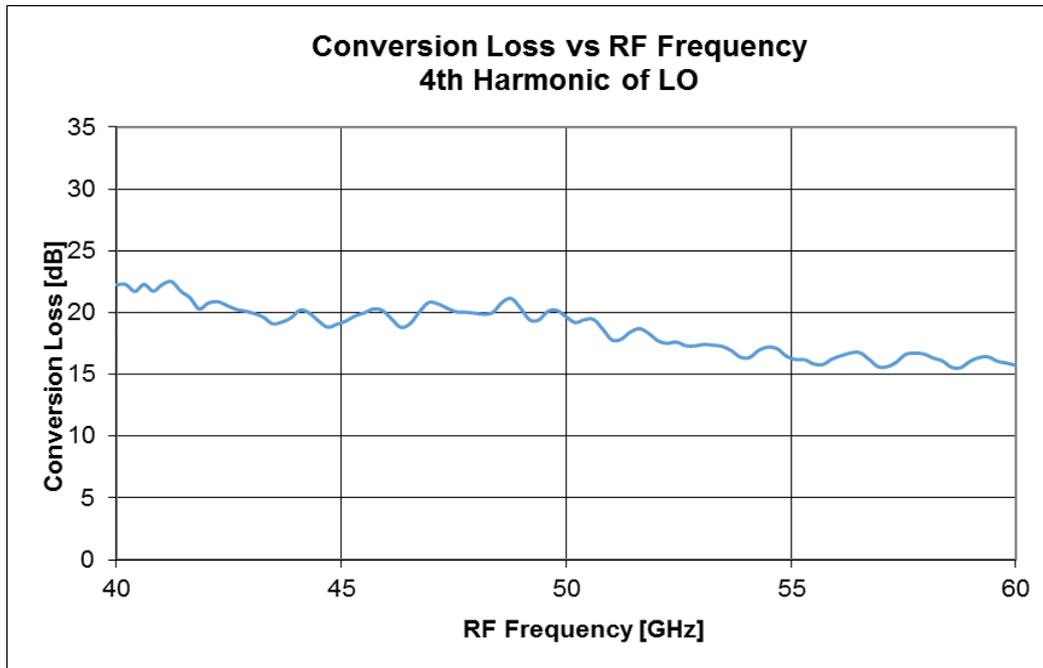

Features

- Low conversion loss
- Flat frequency response
- Frequency coverage up to 500 GHz
- Unbiased anti-parallel diode pair

Applications

- Spectrum analysis
- mm-Wave instrumentation
- Signal processing
- Phased locked loops

Specification (Agilent)	Unit	Min	Typ	Max
Frequency Range	GHz	40		60
Frequency Band		U		
Waveguide Designation		WR-19		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		10 [4]		
LO Frequency Range	GHz	4 [10]		6 [15]
Conversion Loss	dB	35 [20]		
LO Level	dBm			+18
Flange		UG383/U-M		
Output Connector		SMA-F		
Bias Required		None		
CW RF Input Level				+16
RF Input VSWR		<3.5:1		
Rohde & Schwarz Specifications in Brackets				

Datasheet

Notes:

Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.