

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.

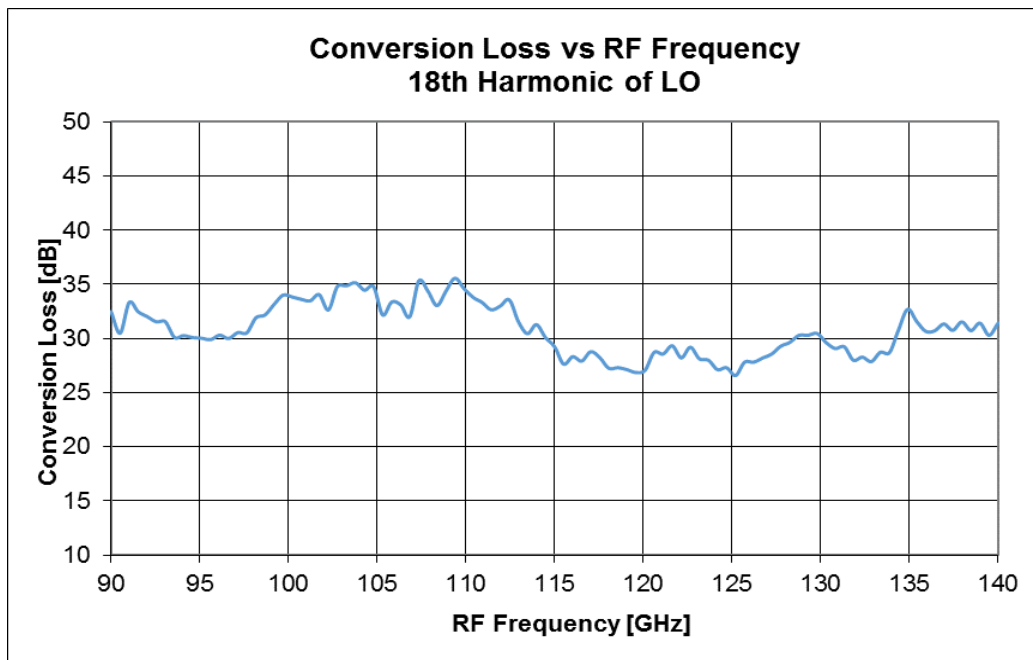
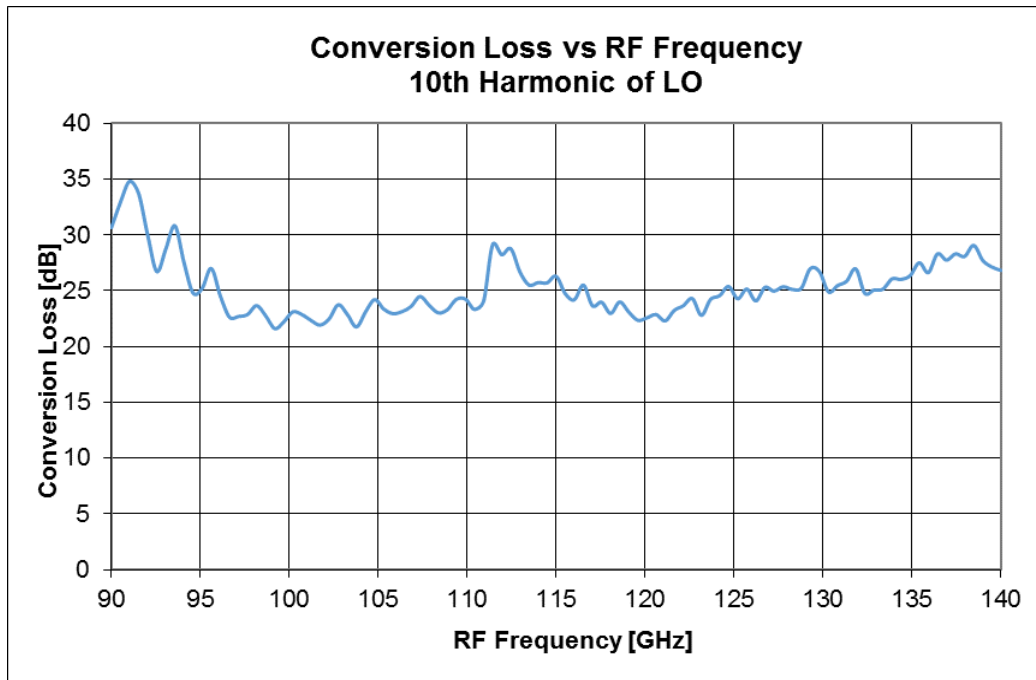

Features

- 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	90		140
Frequency Band		F		
Waveguide Designation		WR-8		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		18 [10]		
LO Frequency Range	GHz	4.95 [9]		7.82 [14]
Conversion Loss	dB	40 [35]		
LO Level	dBm	+12		+15
Flange		UG387/U-M		
Output Connector		K-female		
Bias Required		None		
CW RF Input Level				0
RF Input VSWR		<3.6:1		
Rohde & Schwarz Specifications in Brackets				

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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.