

**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.

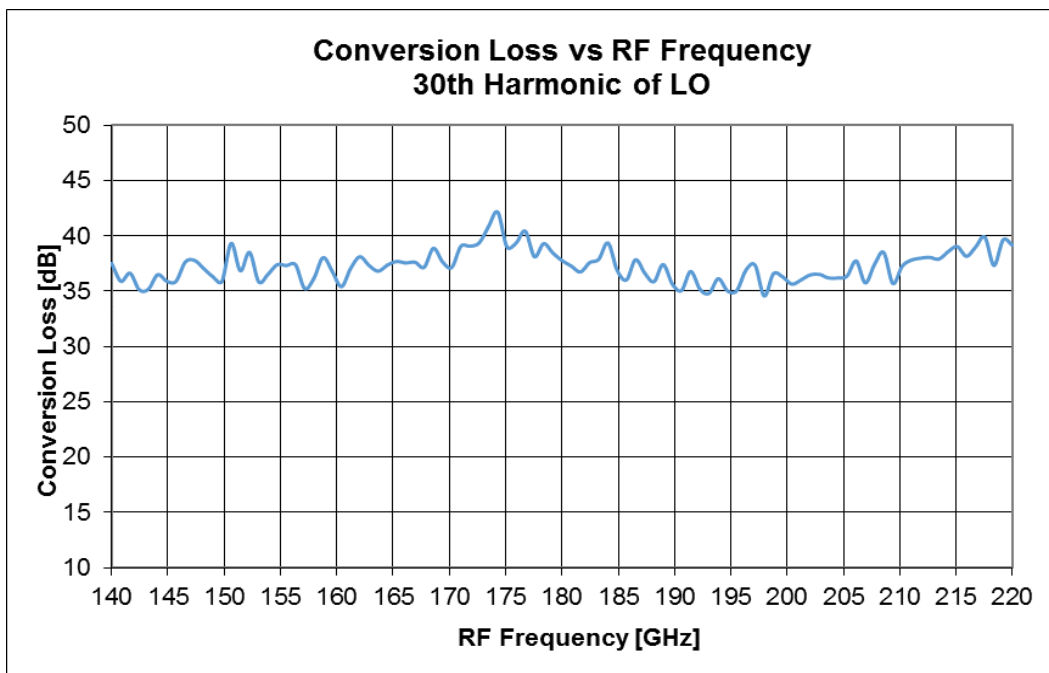
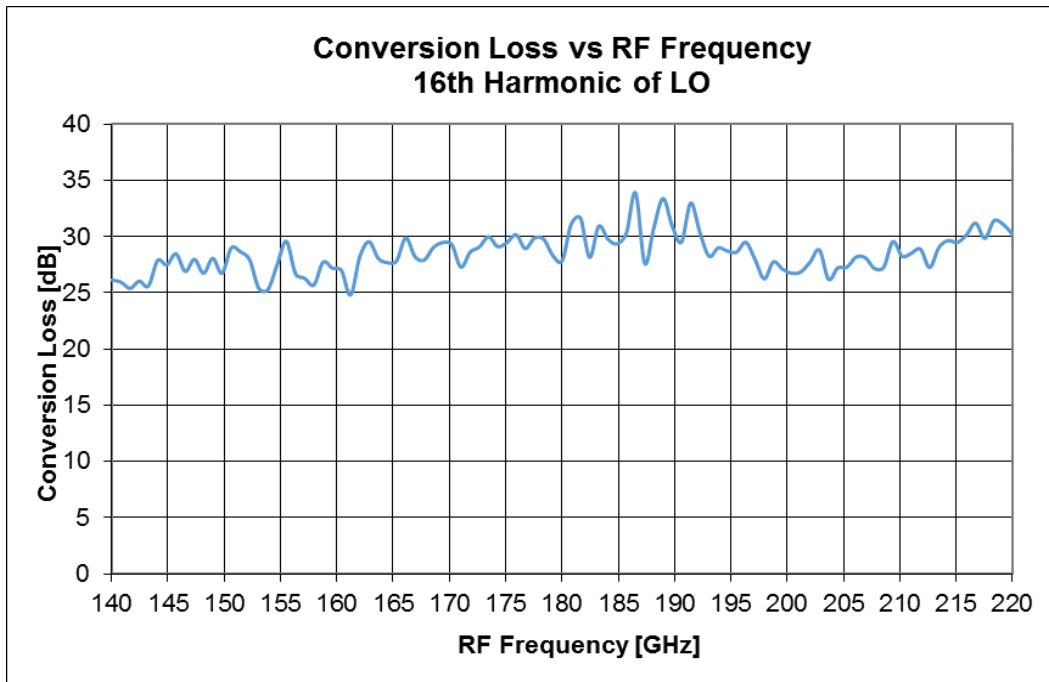

**Features**

- 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

<b>Specification (Agilent)</b>	<b>Unit</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Frequency Range	GHz	140		220
Frequency Band		G		
Waveguide Designation		WR-5		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		30 [16]		
LO Frequency Range	GHz	4.6 [8.75]		7.3 [13.75]
Conversion Loss	dB	50 [40]		
LO Level	dBm			+13
Flange		UG387/U-M		
Output Connector		K-female		
Bias Required		None		
CW RF Input Level				0
RF Input VSWR		<3.6:1		
<b>Rohde &amp; Schwarz Specifications in Brackets</b>				

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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.