

**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.

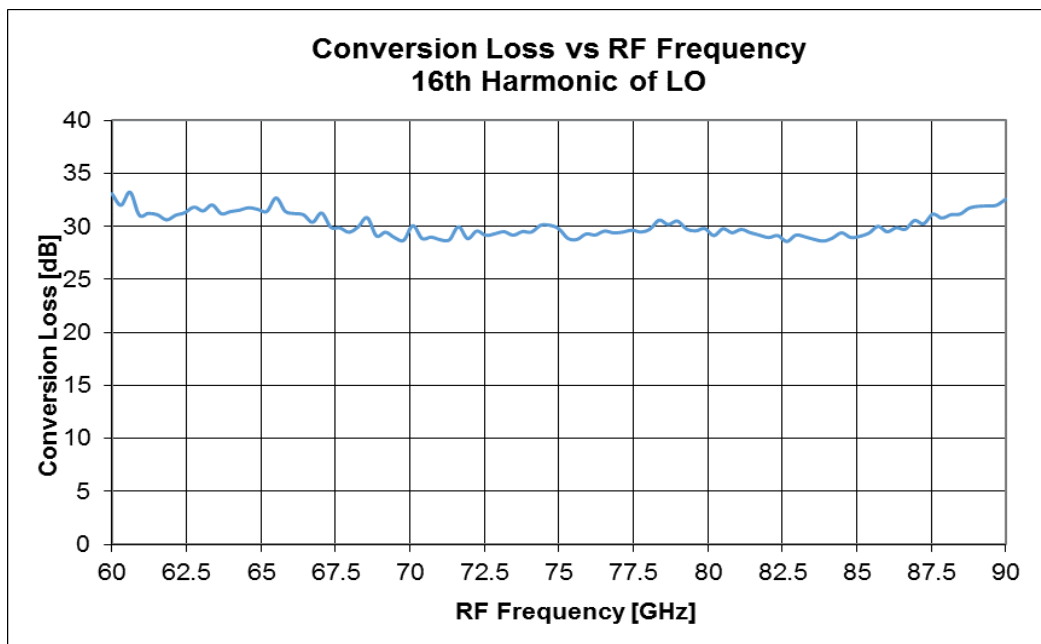
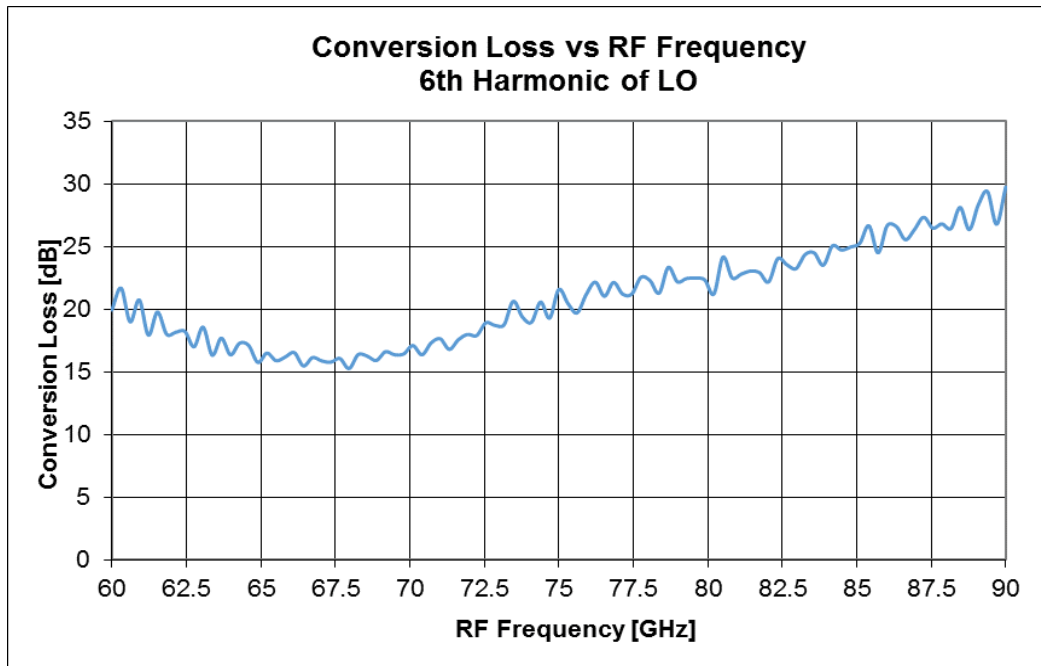

**Features**

- 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	60		90
Frequency Band		E		
Waveguide Designation		WR-12		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		16 [6]		
LO Frequency Range	GHz	3.75 [10]		5.6 [15]
Conversion Loss	dB	40 [32]		
LO Level	dBm			+18
Flange		UG387/U-M		
Output Connector		SMA-F		
Bias Required		None		
CW RF Input Level				+16
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.