

**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.

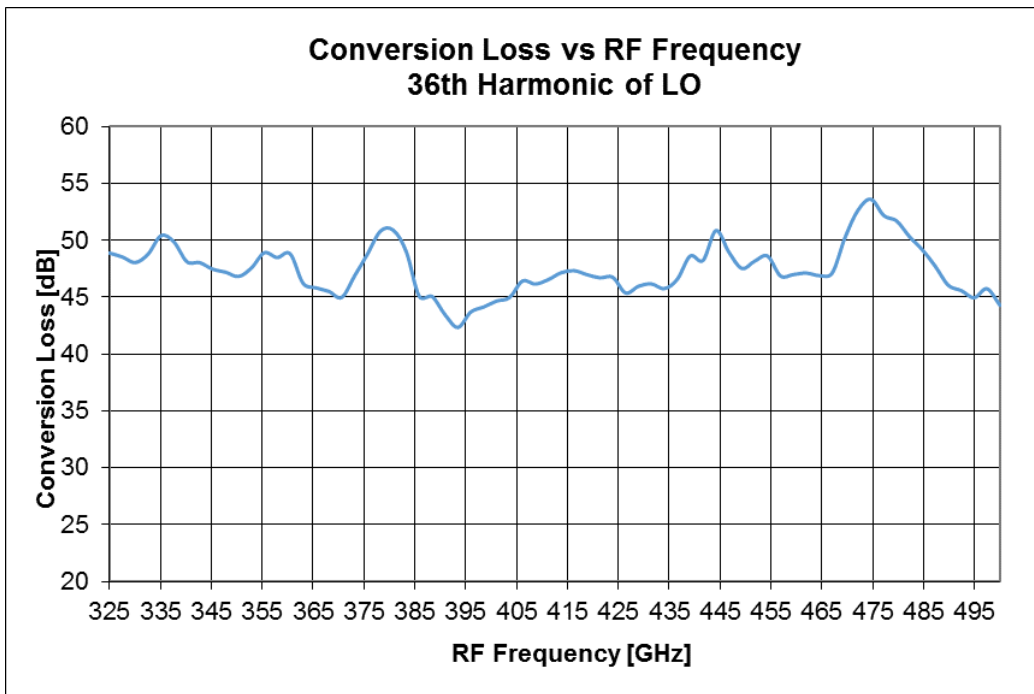

**Features**

- 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	325		500
Waveguide Designation		WR-2.2		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		36		
LO Frequency Range	GHz	9.03 – 13.89		
Conversion Loss (typ.)	dB	55		
LO Level	dBm	14	15	+16.5
Flange		UG387/U-M		
Output Connector		K-female		
Bias Required		None		
CW RF Input Level				0
RF Input VSWR		<3.6:1		

**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.