

**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	26.5		40
Frequency Band		Ka		
Waveguide Designation		WR-28		
IF Frequency Range	MHz	DC-1000		
LO Harmonic Number		8 [4]		
LO Frequency Range	GHz	3.3 [6.6]		5 [10]
Conversion Loss	dB		30 [25]	
LO Level	dBm			+18
Flange		UG599/U		
Output Connector		SMA-F		
Bias Required		None		
CW RF Input Level				+16
RF Input VSWR		<3.5:1		
<b>Rohde &amp; Schwarz Specifications in Brackets</b>				

**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.