

WR-08 Harmonic Mixer 90-140 GHz – WHMB-08

## 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	Тур	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				



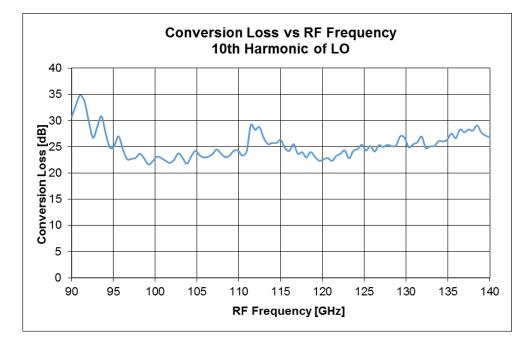
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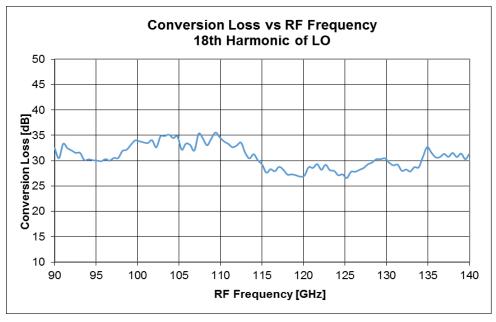


Page 1 of 2



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#### Notes:

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Page 2 of 2