

## WR-05 Harmonic Mixer 140 - 220 GHz Model HHM05



### APPLICATIONS, FEATURES & BENEFITS

- Spectrum Analysis
- Mm-Wave Instrumentation
- Signal Processing
- Phased Locked Loops
  
- Flat Frequency Response
- Low Conversion Loss
- Frequency Coverage up to 500 GHz
- Unbiased Anti-Parallel Diode Pair

A high performance harmonic mixer offering low conversion loss with no bias required. Also suitable for use with Agilent and Rohde & Schwarz spectrum analyzers for frequency extension applications.

### TECHNICAL SPECIFICATIONS

DESCRIPTION	Harmonic Mixer
FREQUENCY RANGE	140 – 220 GHz
FREQUENCY BAND	G
WAVEGUIDE DESIGNATION	WR-05
IF FREQUENCY RANGE	DC-1000 MHz
LO HARMONIC NUMBER	30 typ [12]
LO FREQUENCY RANGE	4.6 GHz min    7.3 GHzmax [11.67]        [18.33]
CONVERSION LOSS	50 dB typ [45]
LO LEVEL	+13 dBm max
FLANGE	UG 387/U-M
OUTPUT CONNECTOR	SMA-F
BIAS REQUIRED	None
CW RF INPUT	0
RF INPUT VSWR	<3.6:1
	<i>Rohde &amp; Schwarz Specifications in Brackets [ ]</i>

12 Lancaster County Road, Harvard, Massachusetts 01451 Tel: (978) 772-7774 FAX: (978) 772-7775

Visit us on the web at [www.hxi.com](http://www.hxi.com)