

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 & Schwarz Specifications in Brackets []</i> | |

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