



HM 220-325
Harmonic Mixer 325 GHz
Part-No.: 02100028

Product Description

Description:

RPG offers these broadband harmonic 3-port mixers. The HM 220-325, as part of the extended harmonic mixer series, covers the frequency band from 220-325 GHz.



Features:

- Planar diode design
- Low conversion loss

Applications:

- General RF Power and Frequency measurements
- Electron Spin Resonance (ESR)
- Spectrum Analyzers
- Network Analyzers
- Radiated Emission measurements
- ZTX/ZRX Systems and Compact Ranges
- Antenna Measurements

Accessories:

- Precision calibrated attenuator
- External isolator for optimum RF-input match



Technical Specifications

Frequency Range [GHz]	220 - 325
RF Port	WR3.4 (UG387/UM)
VSWR	2.5 : 1
Max. Input Power [dBm]	0
LO Input Port	2.92mm (female)
Harmonic Number	18 22
LO Frequency Range [GHz]	12.22 to 18.05 10 to 14.77
Max. Input Power [dBm]	+12 to +14
IF Output Port	2.92mm (female)
IF Frequency Range	5 MHz to 3.2 GHz
1dB compr. Point [dBm (typ.)]	-5
Conversion loss	see plot

Typical Performance

