



**HM 325-500**  
**Harmonic Mixer 325-500 GHz**  
Part-No.: 02100029

**Product Description**

**Description:**

RPG offers these broadband harmonic 3-port mixers. The HM 325-500, as part of the extended harmonic mixer series, covers the frequency band from 325-500 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]	325 - 500
RF Port	WR2.2 (UG387/UM)
VSWR	2.5 : 1
Max. Input Power [dBm]	0
LO Input Port	2.92mm (female)
Harmonic Number	36
LO Frequency Range [GHz]	9.3 - 13.88
Max. Input Power [dBm]	+12
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**

**HM 325-500**

