



HM 110-170
Harmonic Mixer 170 GHz
Part-No.: 02100033

Product Description

Description:

RPG offers these broadband harmonic 3-port mixers. The HM 110-170, as part of the extended harmonic mixer series, covers the frequency band from 110-170 GHz.

Features:

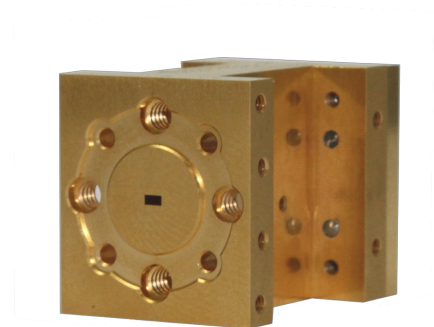
- Planar diode design
- Low conversion loss

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]	110 - 170
RF Port	WR6 (UG387/UM)
VSWR	2.5 : 1
Max. Input Power [dBm]	+3
LO Input Port	SMA-F
Harmonic Number	10 12
LO Frequency Range [GHz]	11 to 17 9.16 to 14,16
Max. Input Power [dBm]	+13 to +17
IF Output Port	SMA-F
IF Frequency Range	5 MHz to 3.2 GHz
1dB compr. Point [dBm (typ.)]	-3
Conversion loss	See Plot

Typical Performance

HM-170 - Conversion Loss

