



**HM 75-110**

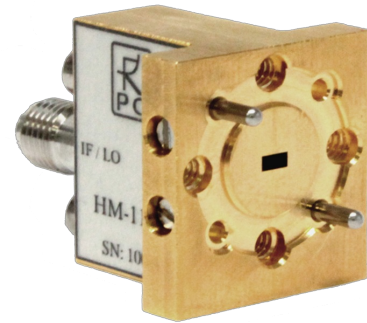
**HM 75-110**

Part-No.: 02100044

## Product Description

### Description:

RPG offers these broadband harmonic 3-port mixers. The HM 75-110, as part of the extended harmonic mixer series, covers the frequency band from 75-110 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]	75 - 110
RF Port	WR10 (UG387/UM)
VSWR	2.4:1
Max. Input Power [dBm]	+0
LO Input Port	SMA-F
Harmonic Number	8 or 10
LO Frequency Range [GHz]	9.37 - 13.75 or 7.5 - 11 GHz
Max. Input Power [dBm]	+13 to +16
IF Output Port	SMA-F
IF Frequency Range	10 MHz to 2 GHz
1dB compr. Point [dBm (typ.)]	-3
Conversion loss	typ. 20DB, with #8

**Typical Performance**

