



**HM 60-90**  
**Harmonic Mixer 90 GHz**  
Part-No.: 02100030

**Product Description**

**Description:**

RPG offers these broadband harmonic 3-port mixers. The HM 60-90, as part of the extended harmonic mixer series, covers the frequency band from 60-90 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]	60 - 90
RF Port	WR12 (UG387/UM)
VSWR	2.5 : 1
Max. Input Power [dBm]	+0
LO Input Port	SMA-F
Harmonic Number	6
LO Frequency Range [GHz]	10 to 15
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**

