



HM 50-75
Harmonic Mixer 50-75 GHz
Part-No.: 02100019

Product Description

Description:

RPG offers these broadband harmonic 3-port mixers. The HM 50-75, as part of the extended harmonic mixer series, covers the frequency band from 50-75 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]	50 - 75
RF Port	WR15 (UG385/U)
VSWR	2.5 : 1
Max. Input Power [dBm]	+3
LO Input Port	SMA-F
Harmonic Number	4 6
LO Frequency Range [GHz]	12.5 to 18.75 8.33 to 12.5
Max. Input Power [dBm]	+13 to +16
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

