

## WR10 Even Harmonic Mixer

### Product Features

- Frequency: 75-110GHz
- Conversion Loss:18dB (typ.)
- No bias required
- Compatible with R&S/Keysight Spectrum Analyzer
- Diplexer integrated



### Electrical Specs:

Parameter	Minimum	Typical	Maximum
Operating Frequency	75GHz		110GHz
Conversion Loss (dB) @RF in = -20 dBm		18dB	22dB
Multiplier Factor, n		8	
LO Operating Freq.	9.37GHz		13.75GHz
LO Input	12dBm		17dBm
IF Frequency Range	100KHz		3GHz
Sensitivity		-145dBm	
RF Power P1dB		-10 dBm (100 μW)	
LO/IF Interface		SMA(f)	
Operating Temperature	0°C		40°C

The specified values are after a 30-minute warm-up at a constant ambient temperature.

### Mechanical Specs:

Item	Specification
Input	WR-10 Waveguide with W/UG-387/U-M Flange
Output	SMA(f)
Case Material	Brass
Finish	Gold Plated
Weight	0.05kg
Size (L×W×H)	25mm×23mm×20mm

Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.

2. This data is the typical performance for the reference.