

WR06 Even Harmonic Mixer

Product Features

- Frequency: 110-170GHz
- Conversion Loss: 23dB (typ.)
- No bias required
- Compatible with R&S/Keysight Spectrum Analyzer
- Diplexer integrated



Electrical Specs:

Parameter	Minimum	Typical	Maximum
Operating Frequency	110GHz		170GHz
Conversion Loss (dB) @RF in = -20 dBm		23dB	25dB
Multiplier Factor, n		10 or 14	
LO Operating Freq.	10GHz		15.7GHz
LO Input	12dBm		17dBm
IF Frequency Range	100KHz		3GHz
Sensitivity		-140dBm	
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-06 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.