

WR15 Even Harmonic Mixer

Product Features

- Frequency: 50-75GHz
- Conversion Loss:16dB (typ.)
- No bias required
- Compatible with R&S/Keysight Spectrum Analyzer
- Diplexer integrated



Electrical Specs:

Parameter	Minimum	Typical	Maximum
Operating Frequency	50GHz		75GHz
Conversion Loss (dB) @RF in = -20 dBm		16dB	18dB
Multiplier Factor, n		6	
LO Operating Freq.	8.3GHz		12.5GHz
LO Input	12dBm		17dBm
IF Frequency Range	100KHz		3GHz
Sensitivity		-150dBm	
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-15 Waveguide with W/UG-385/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.