MI-WAVE®
Millimeter Wave Products Inc.

920D/387

TEST DATA SHEET

Description

Mi-Wave's 920 Series harmonic mixers down converts RF by using a lower harmonic number LO to an IF

Notes

Conversion loss will vary due to LO harmonic number, LO drive and IF frequency range. At lower LO drive levels a small amount of DC bias, typically 1 to 3 mA can be applied to the LO / IF port to lower conversion loss. Do not apply DC bias with LO drive levels above +12 dbm. *** Recommended for use with harmonic number less than 14********

S/N: N/A

Electrical Specifications

	Minimal	Typical	Maximum
RF Frequency	110 GHz		170 GHz
LO frequency range	100 MHz		20 GHz
IF frequency Range (Depending upon diplexer configuration)		TBD	
LO Power			+13 dBm
LO Plus RF Power Level			+13 dBm
Conversion Loss Depending upon LO drive and LO Freq.		30-42 dB	

Physical Specifications

RF Port	WR-06 Waveguide, UG-387/U-M Flange
LO / IF Port	SMA(F)
Material Type	Brass
Finish	Gold Plated
Diplexer	NOT INCLUDED

Tested by: MS

Date: 2021-06-22

RoHS compliant

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REACH COMPLIANCE