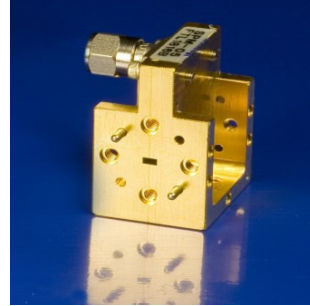


Datasheet
Description

A high performance sub harmonically pumped mixer in WR-05 band.


Features

- High performance
- Sub-harmonically pumped
- Low noise figure
- Low LO power level
- Low conversion loss

Applications

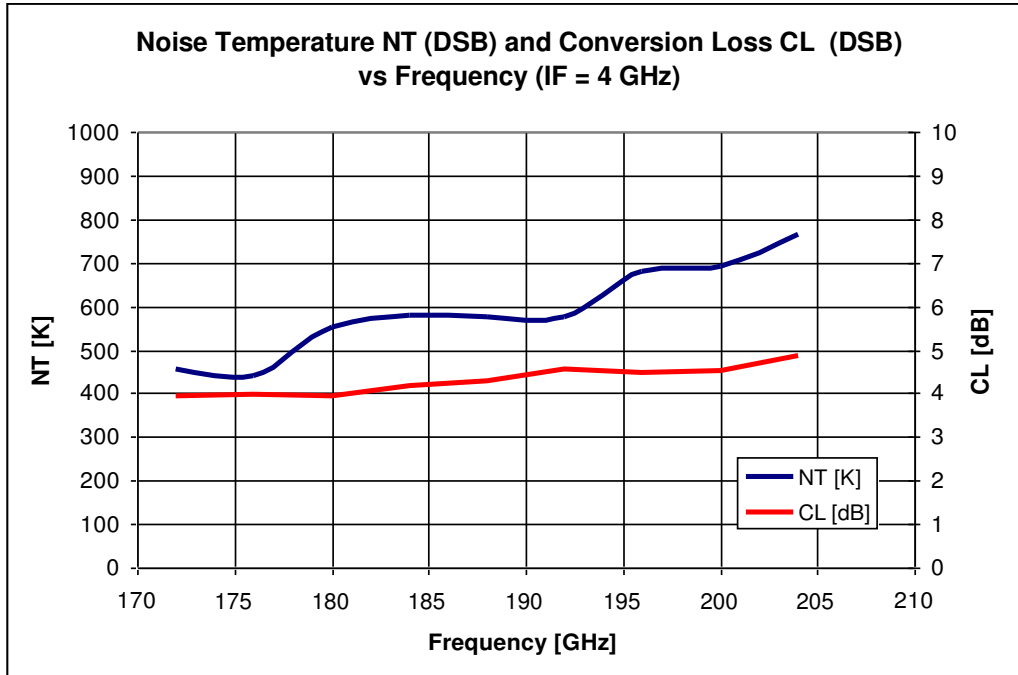
- Heterodyne receivers
- Instrumentation
- Imaging front end

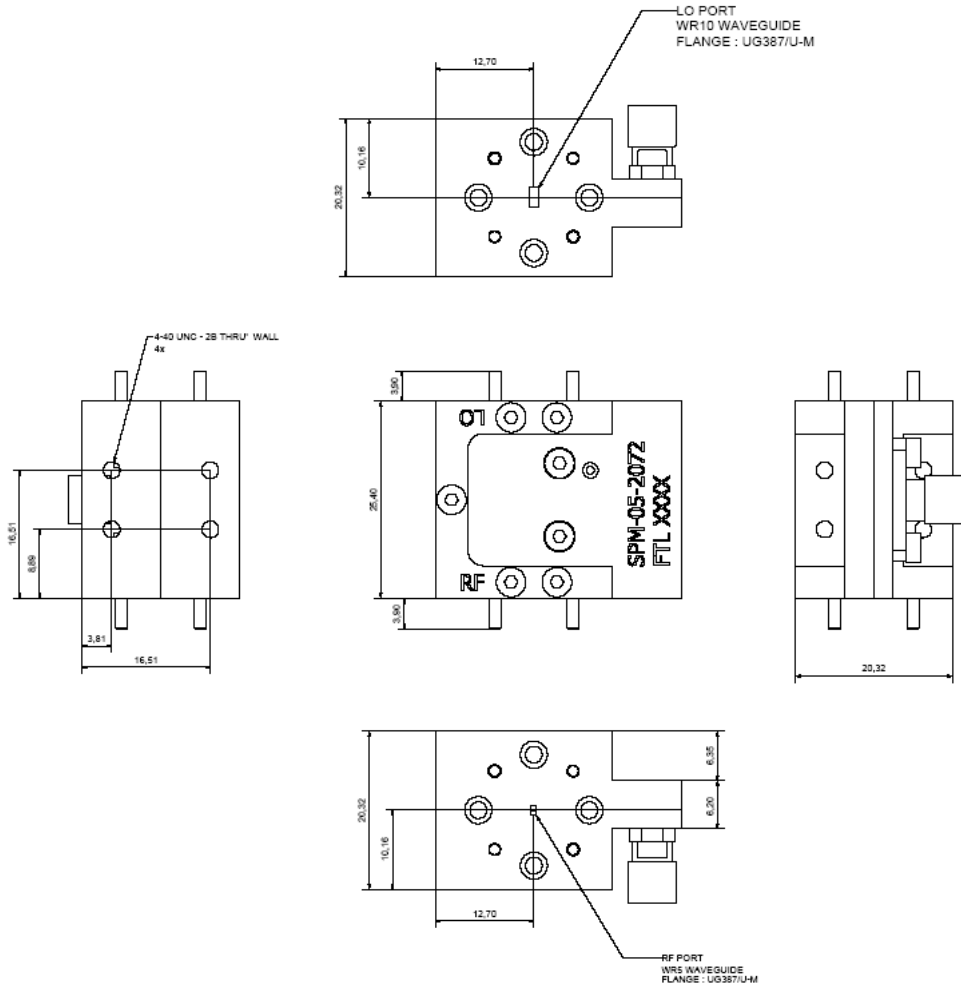
Specification	Unit	Min	Typ	Max
RF Frequency	GHz	172		204
LO Frequency	GHz	84		100
IF Frequency**	GHz	0.2		4
RF Power Max	dBm			0
Noise Figure DSB*	dB		4.4	6.5
Tmix DSB*	K		500	1000
Conversion Loss*	dB		4.5	6.5
LO Drive Level	mW	2	4	6
RF Waveguide	-	WR-05 UG-387/U-M		
LO Waveguide	-	WR-10 UG-387/U-M		
LO Connector	-	SMA (F)		

Notes:

* Noise and conversion loss performance specified for IF = 4 GHz.

** Operation on higher IF frequencies possible at the expense of NF/CL performance.

Datasheet


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Notes:

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