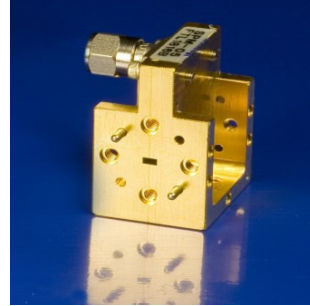


**Datasheet**
**Description**

A high performance sub harmonically pumped mixer in the WR-04 band.


**Features**

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

**Applications**

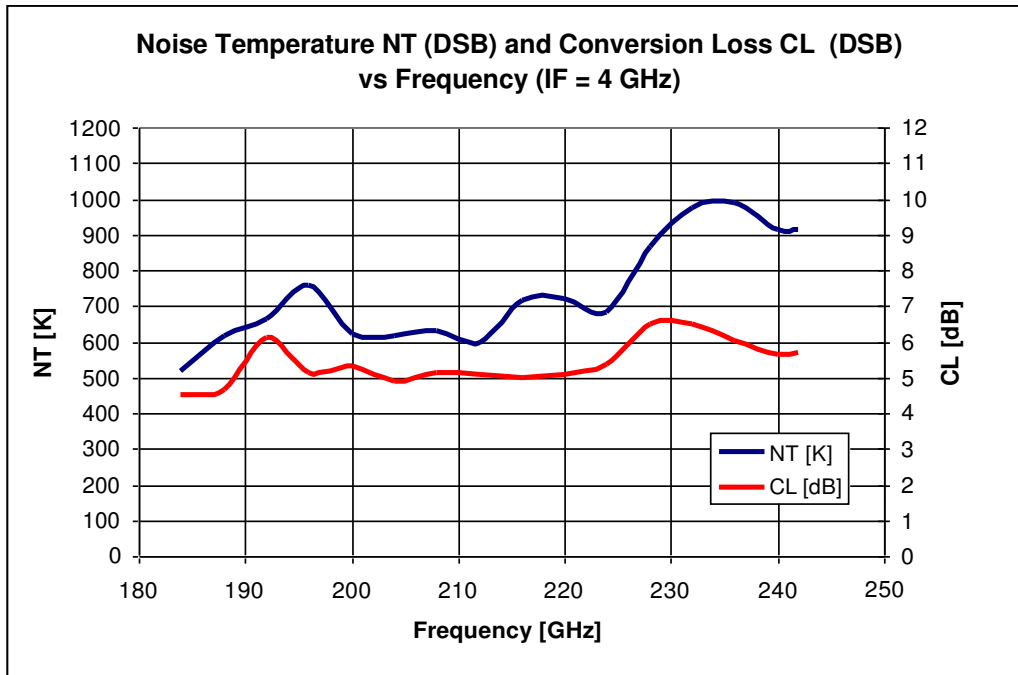
- Heterodyne receivers
- Instrumentation
- Imaging front end

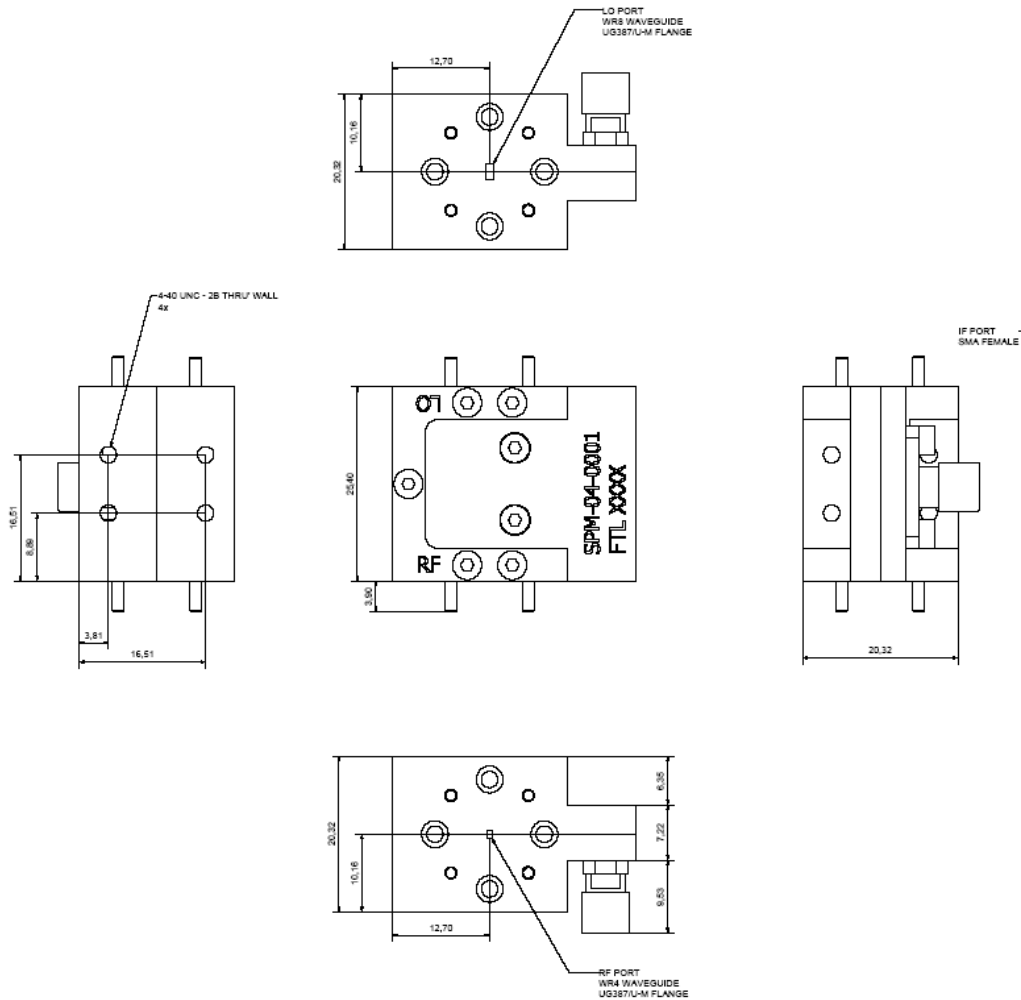
Specification	Unit	Min	Typ	Max
RF Frequency	GHz	180		244
LO Frequency	GHz	90		120
IF Frequency**	GHz	0.2		4
RF Power Max	dBm			0
Noise Figure DSB*	dB		5	7.1
Tmix DSB*	K		600	1200
Conversion Loss*	dB		5	7.5
LO Drive Level	mW	2	4	6
RF Waveguide	-	WR-04 UG-387/U-M		
LO Waveguide	-	WR-08 UG-387/U-M		
LO 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**


**Datasheet**

**Notes:**

Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions