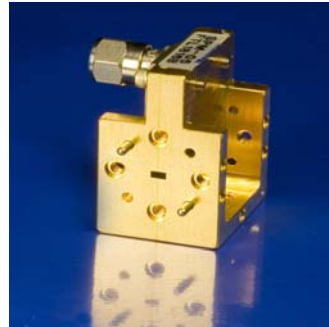


**Datasheet**

**Description**

A high performance subharmonically pumped mixer in WR-05 band.



**Features**

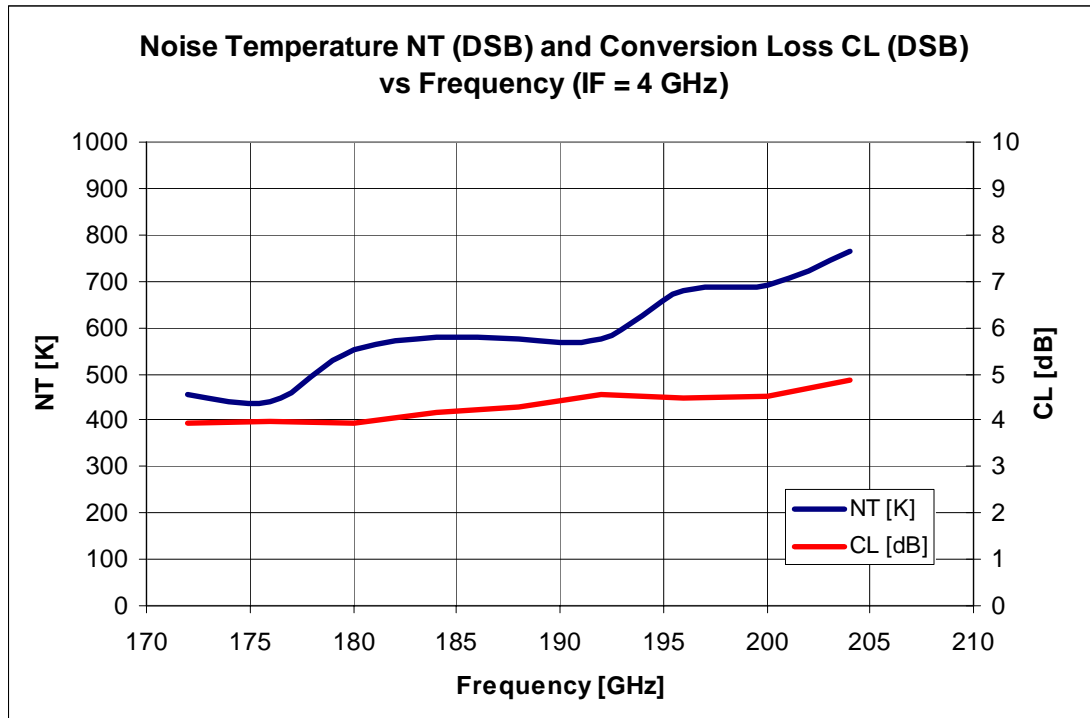
- High performance
- Sub-harmonically pumped
- Low noise figure
- Low LO power level
- Low conversion loss

**Applications**

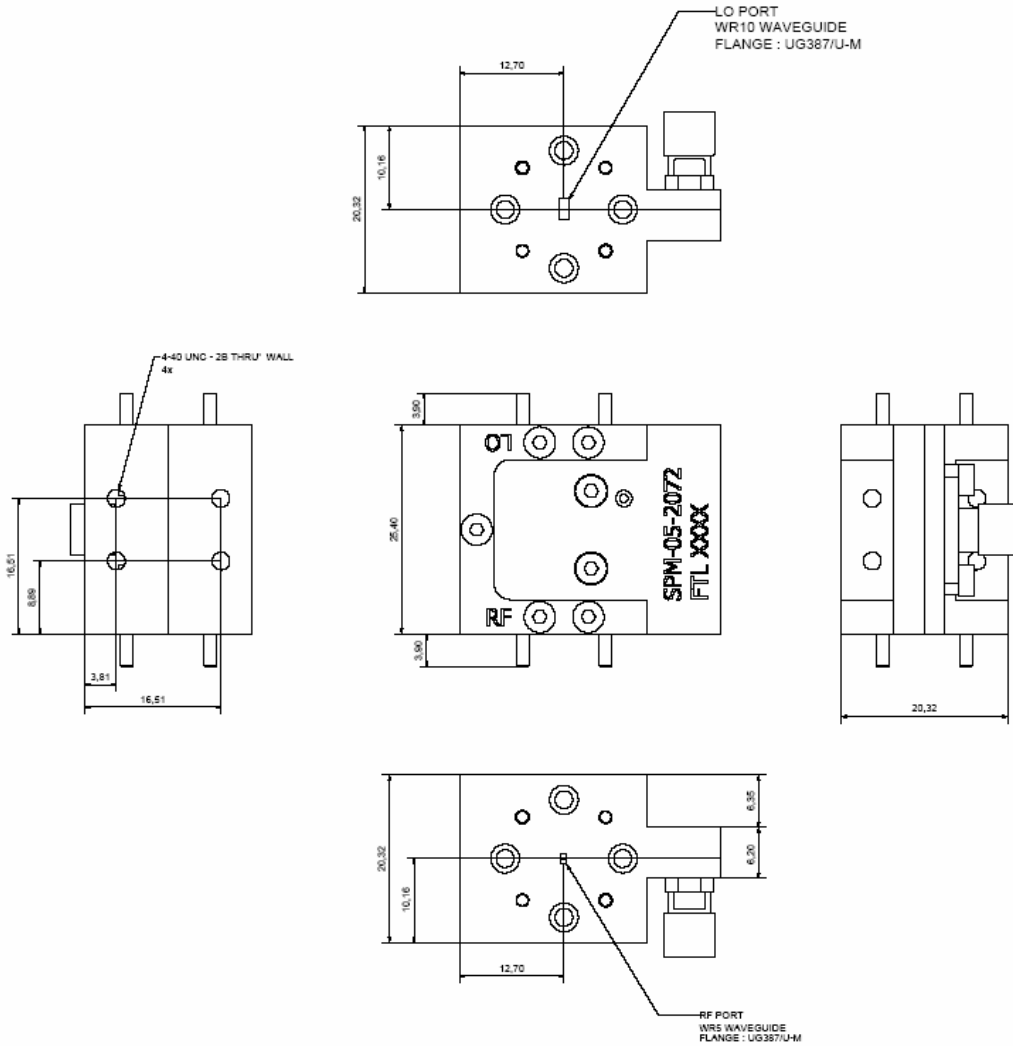
- Heterodyne receivers
- Instrumentation
- Imaging front end

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

Datasheet



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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.