

Model: TLHM-170260-0230-04
Subharmonically Mixer
RF:170-260 GHz ,LO:85-130GHz,IF:DC-40GHz
Feature:

- Low LO Power Requirement
- Subharmonic Mixing
- Compact Package

电气特性 Electrical:

Parameter	Min.	Typ.	Max.	Units
RF Frequency	170		260	GHz
LO Frequency	85		130	GHz
IF Frequency	DC		40	GHz
LO-Input power		+8		dBm
Input Power		-15	0	dBm
2XLO to RF Isolation		-20		dBc
Conversion Loss	-11	-9.5	-8	dB

Mechanical :

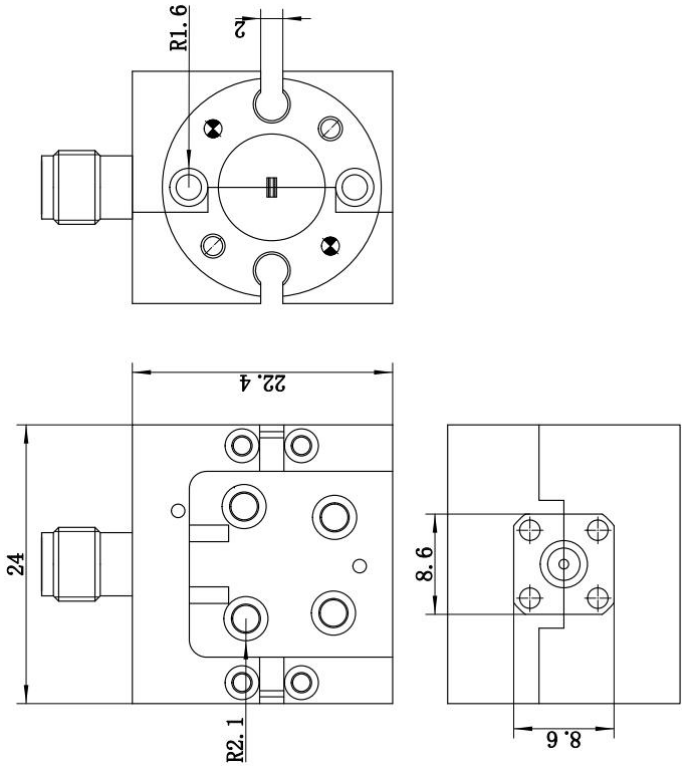
Parameter	Value	Units
RF Connector	WR-4.3/UG-387	
LO Connector	WR-08/UG-387	
IF Connector	2.92mm Female	
Size	/	mm

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+0 dbm
IF Input Power	+0 dbm
LO Input Power	+15 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Typical Performance Data:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	0		+45	°C
Non-operating Temperature	-25		+65	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLHM-170260-0240-04	Subharmonically Mixer RF:170-260 GHz ,LO:85-130GHz,IF:DC-40GHz	Rev.1.1

Typical Performance Data:

SSB CL vs Frequency

