

**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:**

参数Parameter	Min.	Typ.	Max.	单位Units
RF频率 RF Frequency	170		260	GHz
LO频率 LO Frequency	85		130	GHz
IF频率 IF Frequency	DC		40	GHz
LO 驱动功率 LO-Input power		+8		dBm
输入功率 Input Power		-15	0	dBm
2XLO至RF隔离 2XLO to RF Isolation		-20		dBc
SSB 变频损耗 Conversion Loss	-11	-9.5	-8	dB

**机械特性 Mechanical :**

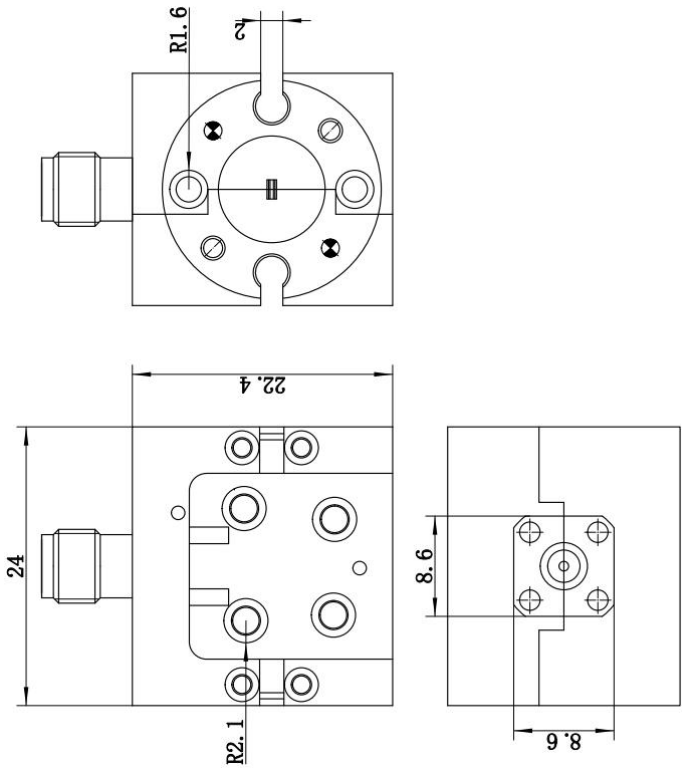
参数Parameter	指标 Value	单位Units
RF接口 RF Connector	WR-4.3/UG-387	
LO接口 LO Connector	WR-08/UG-387	
IF接口 IF Connector	2.92mm Female	
尺寸 Size	/	mm

**绝对最大值 Absolute Maximum Ratings:**

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

典型曲线 Typical Performance Data:

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

温度环境 Environmental Conditions:

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

订货信息 Ordering Information:

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

典型曲线 Typical Performance Data:

SSB CL vs Frequency

