

Model: TLHM-140220-0240-05

Subharmonically Mixer

RF:140-220 GHz ,LO:70-110 GHz,IF:DC-40 GHz

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	140		220	GHz
LO频率 LO Frequency	70		110	GHz
IF频率 IF Frequency	DC		40	GHz
LO 驱动功率 LO-Input power	+6		+8	dBm
输入功率 Input Power			0	dBm
RF 驻波 RF VSWR		3.0		:1
SSB 变频损耗 Conversion Loss		-12		dB

机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
RF 接口RF Connector	WR-05/UG-387	
LO接口LO Connector	WR-10/UG-387	
IF接口 IF Connector	2.4 mm Female	
尺寸 Size	41*28*20	mm

绝对最大值 Absolute Maximum Ratings:

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

典型曲线 Typical Performance Data:

Unit: mm

温度环境 Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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-140220-0240-05	Subharmonically Mixer RF:140-220GHz ,LO:70-110GHz,IF:DC-40GHz	Rev.1.1

典型曲线 Typical Performance Data:

变频损耗vs频率

