

**Model:TMPM-260400-0324-2.8**
**G-Band Passive Frequency Tripler  
 X3, 260-400 GHz ,2.4 dBm Output Power**
**Feature:**

- Output Frequency: 260-400GHz
- Output Power : 2.4 dBm Min
- Low power consumption

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	260		400	GHz
输入频率 Input Frequency	86		134	GHz
输出功率 Output Power	2.4			dBm
输入功率 Input Power	10	20	22	dBm
变频效率 Conversion Efficiency		2.2		%
倍频次数 Multiply Factor		3		

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-2.8/UG-387/U	
输入接口Input Connector	WR-8/UG-387/U	
尺寸 Size	20*20*20	mm

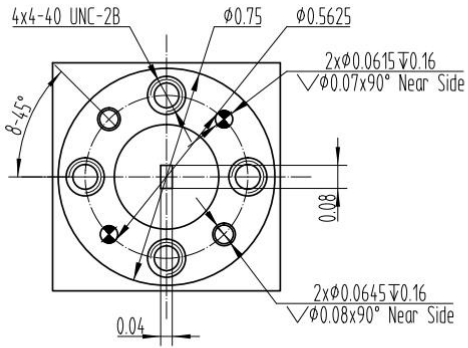
**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF Input Power	24dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

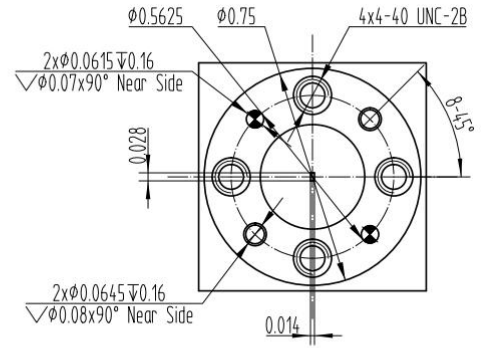
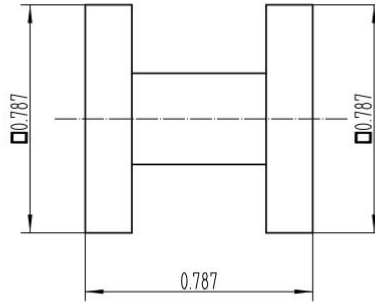

 Available 220V System  
 Benchtop Active  
 Multiplier

外形尺寸 Outline Drawing:

Unit: mm



输入端<WR-8>



输出端<WR-2.8>

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	-55		+85	°C
存储温度 Non-operating Temperature	-60		+150	°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:

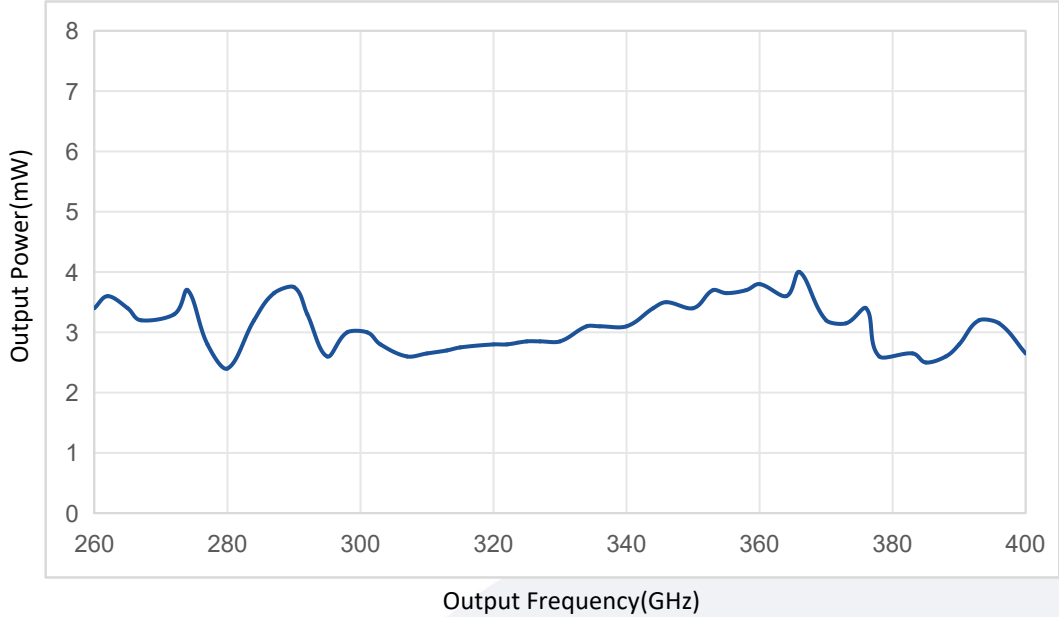
标准型号 Part Number	描述 Description	版本号Revision
TMPM-260400-0324-2.8	G-Band Passive Frequency Tripler X3, 260-400 GHz ,2.4 dBm Output Power,WR-2.8	Rev.1.1

典型曲线 Typical Performance Data:

(Ta: -20°C~+85°C)

**Output Frequency vs Output Power**

Input Power=22dBm



**Output Power vs Conversion Efficiency**

Input Frequency=110GHz

