

## Active Frequency Multiplier, X6,75-110 GHz, 21 dBm Output Power

### Feature:

- Output Frequency:75-110 GHz
- Output Power : 21 dBm Typ
- Low power consumption

### 电气特性 Electrical Specifications:

参数 Parameter	Min	Typ	Max	单位 Units
输出频率 Output Frequency	75		110	GHz
输出功率 Output Power	20	21		dBm
输入频率 Input Frequency	12.5		18.34	GHz
输入功率 Input Power	0	3	5	dBm
倍频次数 Multiply Factor		6		
谐波 Harmonic			-20	dBc
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		:1
供电电压 DC Voltage		16		V
供电电流 DC Supply Current		160		mA

### 机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输出接口 Output Connector	WR-10/UG-387/U	
输入接口 Input Connector	SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	57.5*28*23	mm

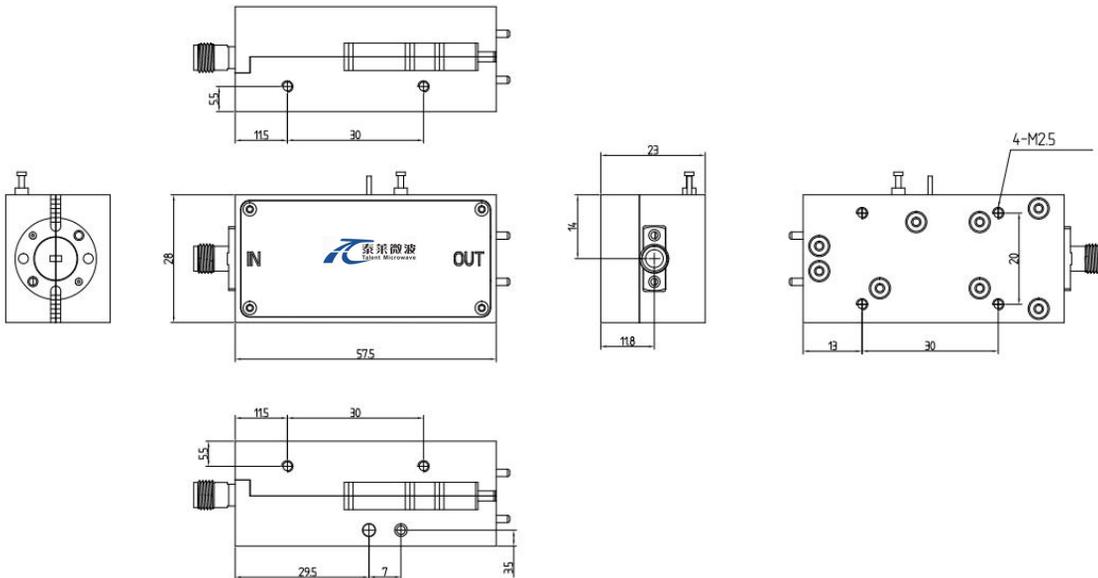
### 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	18V
输入功率 RF Input Power	7dBm



Available 220V System

Unit: mm



OBSERVE PRECAUTIONS  
 ELECTROSTATIC SENSITIVE  
 DEVICES

## 温度环境 Environmental Conditions:

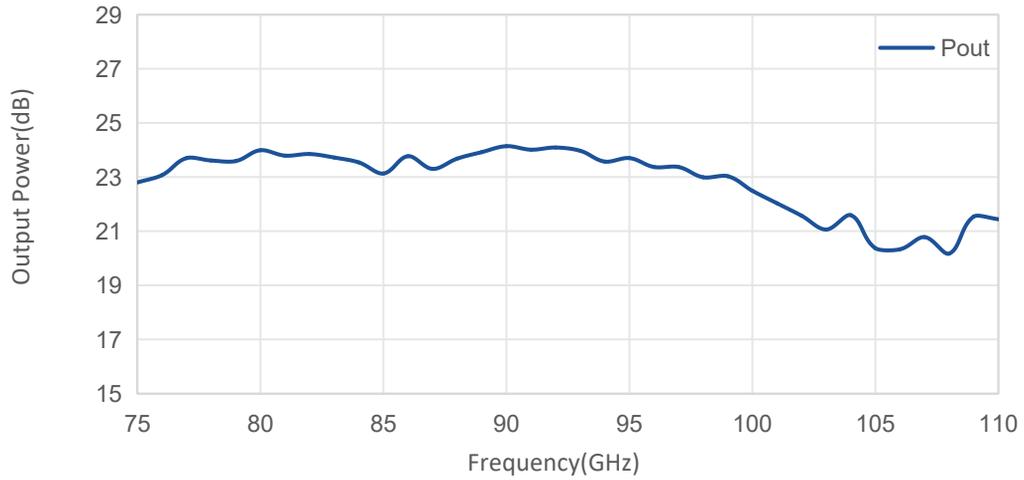
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	°C
存储温度 Non-operating Temperature	-25		+75	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half 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
TMAM-075110-0621-10	Active Multiplier,X6,75-110GHz, Output Power:21dBm,WR-10/UG-387/U,SMA Female	Rev.1.1

## 典型曲线 Typical Performance Data:

### Output Power vs Frequency



### Harmonic vs Frequency

