

## Active Frequency Multiplier, X6,80-86GHz, 27dBm Output Power

### Feature:

- Output Frequency:80-86GHz
- Output Power :27 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	80		86	GHz
输出功率 Output Power	26	27		dBm
输入频率 Input Frequency	13.3		14.33	GHz
输入功率 Input Power	2	4	8	dBm
倍频次数 Multiply Factor		6		
输入回波损耗 Input Return Loss		10		dB
输出回波损耗 Output Return Loss		8		dB
供电电压 DC Voltage	+18			V
静态电流 Quiescent Current		330		mA
供电电流 DC Supply Current		680		mA

### 机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输出接口 Output Connector	WR-12/UG-387/U	
输入接口 Input Connector	SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	56*83.6*68(Without Heatsink) 56*95.6*68(With Heatsink)	mm

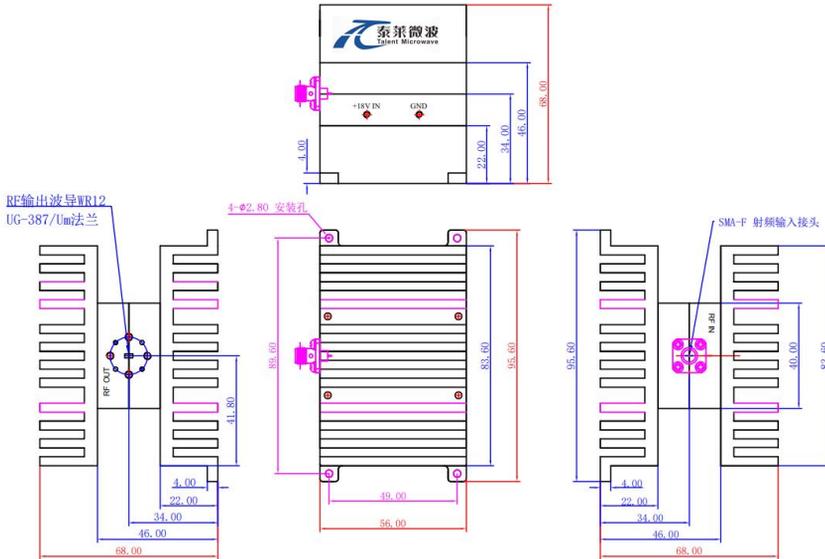
### 绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF Input Power	8dBm



Available 220V System

Unit: mm



OBSERVE PRECAUTIONS  
 ELECTROSTATIC SENSITIVE  
 DEVICES

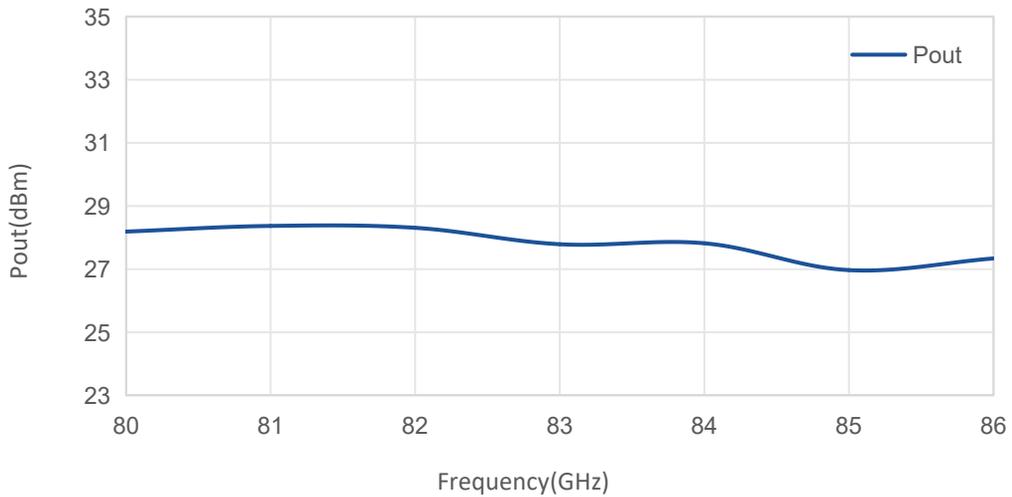
## 温度环境 Environmental Conditions:

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	-45		+85	°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			

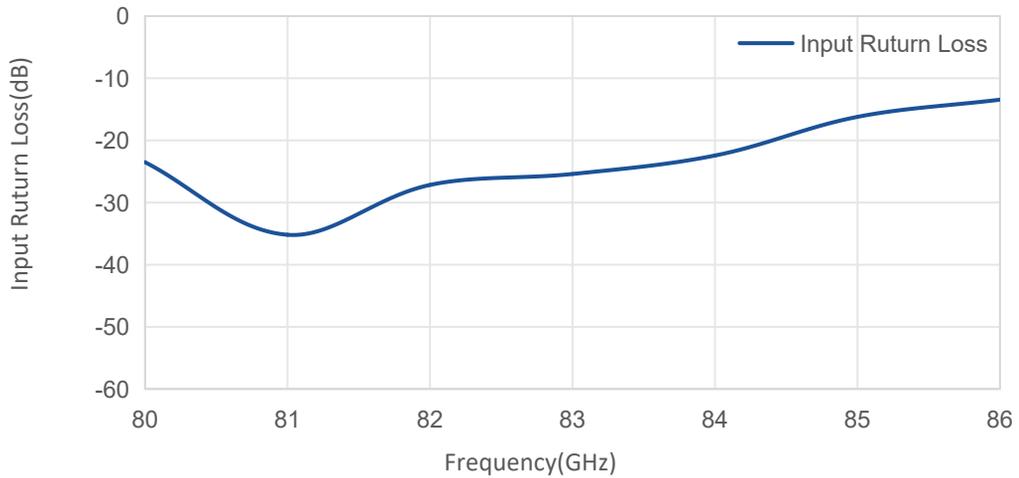
## 订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TMAM-080086-0627-12	Active Multiplier,X6,80-86GHz, Output Power:27dBm,WR-12/UG-387/U,SMA Female	Rev.1.1

## Output Power vs Frequency



## Input Return Loss vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.