

Model:TMAM-075110-0612-10
**Active Multiplier, WR-10, W-Band
75-110GHz, Output Power:12dBm**
Feature:

- Output Frequency: 75-110GHz
- Output Power : 12dBm Typ
- Low power consumption
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	75		110	GHz
输出功率 Output Power		+12		dBm
输入频率 Input Frequency	12.5		18.33	GHz
输入功率 Input Power	+6		+13	dBm
倍频次数 Multiply Factor		6		dB
谐波抑制 Harmonic Suppression		20		dBc
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
供电电压 DC Voltage	+6		8	V
供电电流DC Supply Current		380		mA

机械特性 Mechanical :

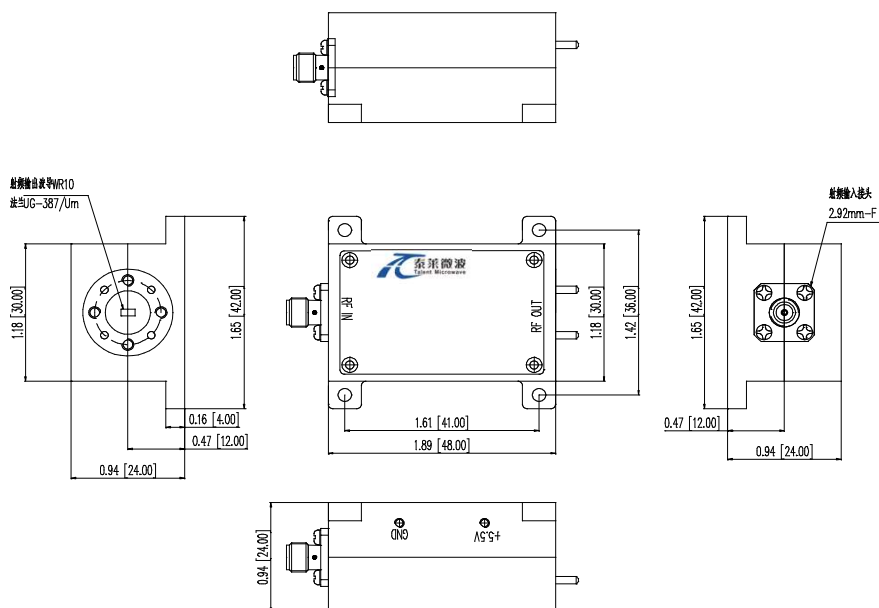
参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-10/ UG-387/U	
输入接口Input Connector	SMA-F	
直流偏置 Bias	Solder Pin	
尺寸 Size	48×30×24	mm


**Available 220V System
Benchtop Amplifier**
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+8 V
输入功率 RF INPUT POWER	13dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: (Inches)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	℃
存储温度 Non-operating Temperature	-55		+85	℃
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			

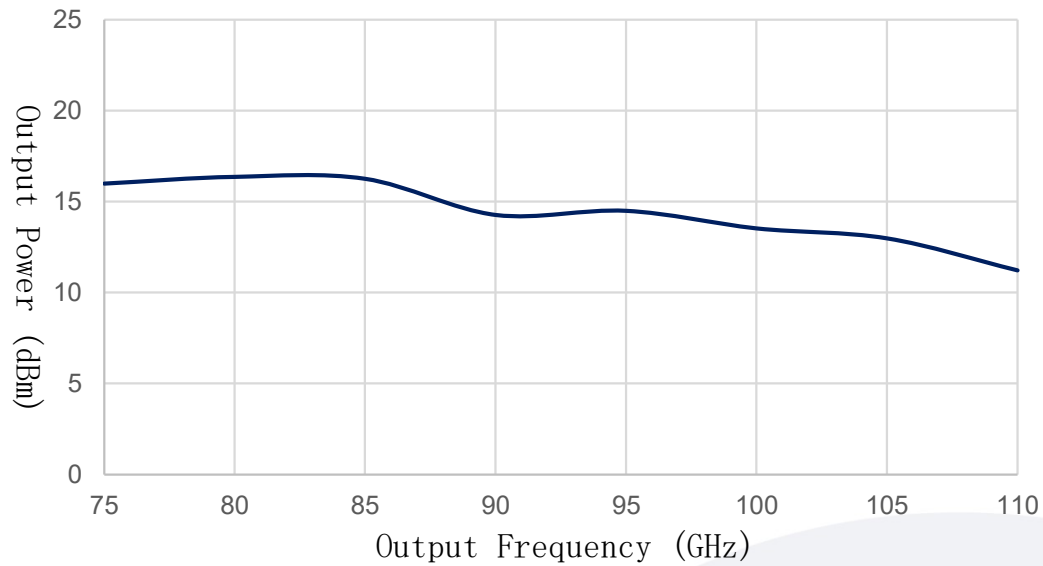
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TMAM-075110-0612-10	W-Band Active Multiplier, 75-110GHz, Output Power:12dBm, SMA-F, WR10, UG-387/U	Rev.1.1

典型曲线 Typical Performance Data:

测试条件: Pin=6 dBm

Output Power(dBm)



Input Return Loss

