

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	+10	+12		dBm
输入频率 Input Frequency	12.5		18.33	GHz
输入功率 Input Power	-2	+5	+10	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		+12		V
供电电流 DC Supply Current		150		mA

机械特性 Mechanical :

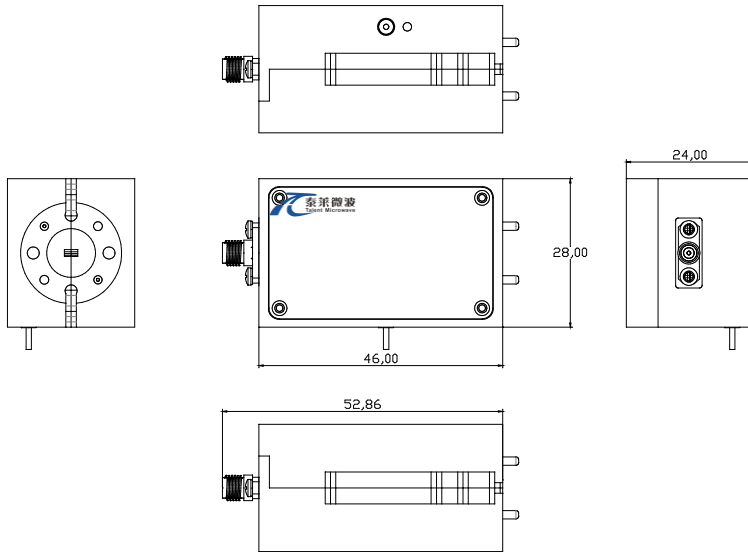
参数Parameter	指标 Value	单位Units
输出接口 Output Connector	WR-10/ UG-387/U	
输入接口 Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	46×28×24	mm

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+13 V
输入功率 RF INPUT POWER	+10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

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	-55		+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			

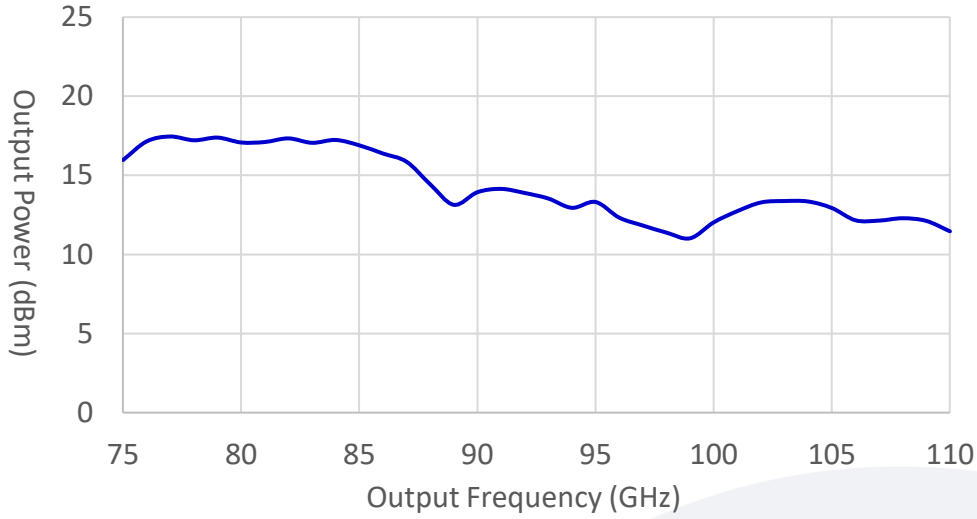
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TMAM-075110-0612-10	W-Band Active Multiplier, 75-110GHz, Output Power:12dBm, SMA Female, WR10, UG-387/U	Rev 1.2

典型曲线 Typical Performance Data:

测试条件: Pin=5 dBm

Output Power(dBm)



Harmonic Suppression

