

**Model:TMAM-110170-1204-06**
**X12 Active Multiplier, WR-06, D-Band  
 110-170GHz, Output Power:4dBm ,**
**Feature:**

- Output Frequency: 110-170 GHz
- Output Power : 4 dBm Typ
- Low power consumption

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	110		170	GHz
输出功率 Output Power		+4		dBm
输入频率 Input Frequency	9.16		14.17	GHz
输入功率 Input Power		+5	+10	dBm
倍频次数 Multiply Factor		12		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 :**

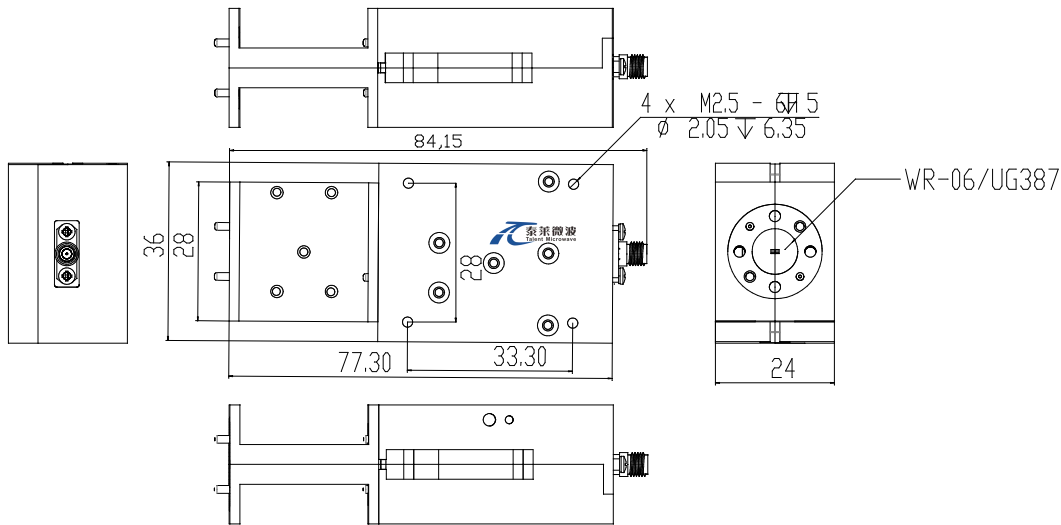
参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-06/ UG-387/U	
输入接口Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	84.15×36×24	mm

**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-110170-1204-06	D-Band Active Multiplier, 75-110GHz, Output Power:12dBm, SMA Female, WR10, UG-387/U	Rev 1.2