

**Model:TMAM-050075-0215-15**
**Active Frequency Doubler  
 50-75 GHz ,+15.5 dBm Output Power,**
**Feature:**

- Output Frequency: 50-75GHz
- Output Power : 15.5dBm Typ
- Low power consumption

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	50		75	GHz
输出功率 Output Power	14	15.5		dBm
输入频率 Input Frequency	25		37.5	GHz
输入功率 Input Power	2	3	5	dBm
倍频次数 Multiply Factor		2		
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2.5		:1
供电电压 DC Voltage		5		V
供电电流DC Supply Current		400		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-15 Flange UG-385/U	
输入接口Input Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	45×42×24	mm

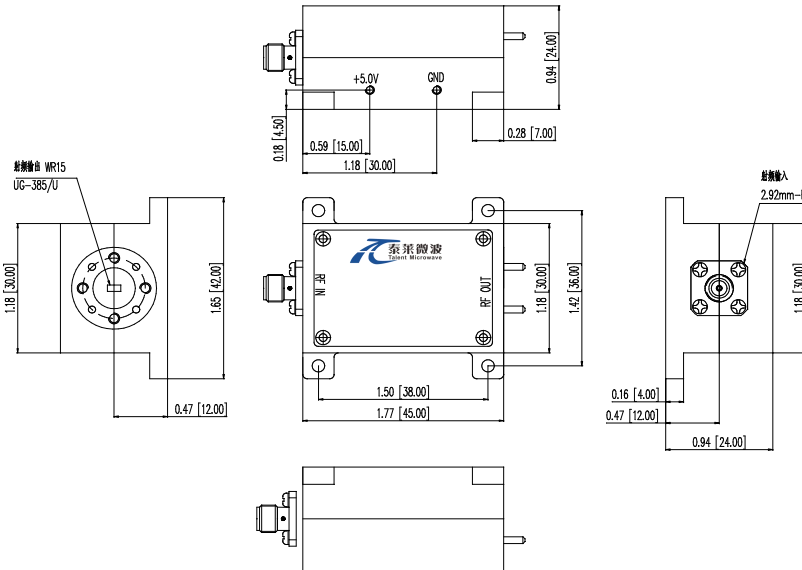

 Available 220V System  
 Benchtop Amplifier

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+6V
输入功率 RF Input Power	+5 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	-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-050075-0215-15	Active Frequency Doubler 50-75 GHz ,+15.5 dBm Output Power,WR-15	Rev.1.1