

**Model:TMAM-040060-0415-19**
**U-Band Active Multiplier  
 X4, 40-60 GHz +15 dBm Output Power,**
**Feature:**

- Output Frequency:40-60 GHz
- Output Power : 15 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	40		60	GHz
输出功率 Output Power		15		dBm
输入频率 Input Frequency	10		15	GHz
输入功率 Input Power	+3	+5	+7	dBm
倍频次数 Multiply Factor		4		
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		:1
供电电压 DC Voltage		8.5		V
供电电流DC Supply Current		220		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value	单位 Units
输出接口Output Connector	WR-19/UG-383/U	
输入接口Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	58×24×35	mm

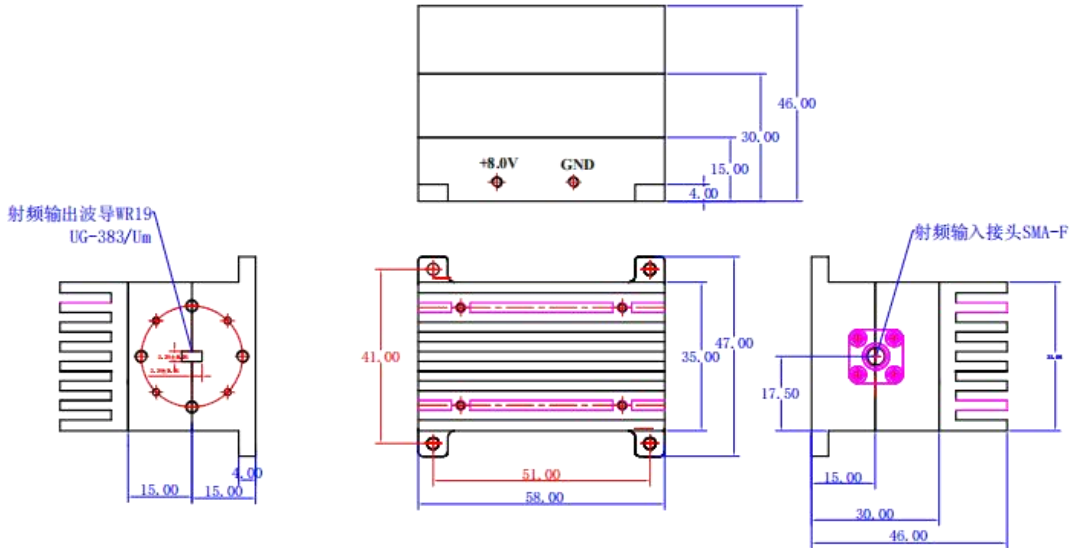

 Available 220V System  
 Benchtop Amplifier

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	
输入功率 RF Input Power	+7 dbm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



40-60GHz 15dBm四倍频器外形图



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	-25		+75	°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-040060-0415-19	U-Band,WR-19 , X4, 40-60GHz Active Multiplier	Rev.1.1