

**Model:TMAM-110150-0814-06**
**110-150 GHz X8 Active Frequency Multiplier ,  
 +14 dBm Output Power,WR-06**
**Feature:**

- Output Frequency:110-150 GHz
- Output Power : 14 dBm 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	110		150	GHz
输出功率 Output Power	+13.5	+14	+15.5	dBm
输入频率 Input Frequency	13.75		18.75	GHz
输入功率 Input Power	+3	+4	+5	dBm
倍频次数 Multiply Factor		8		dB
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.5		:1
供电电压 DC Voltage		+15 (220V AC adaptor)		V
供电电流 DC Supply Current		400		mA

**机械特性 Mechanical :**

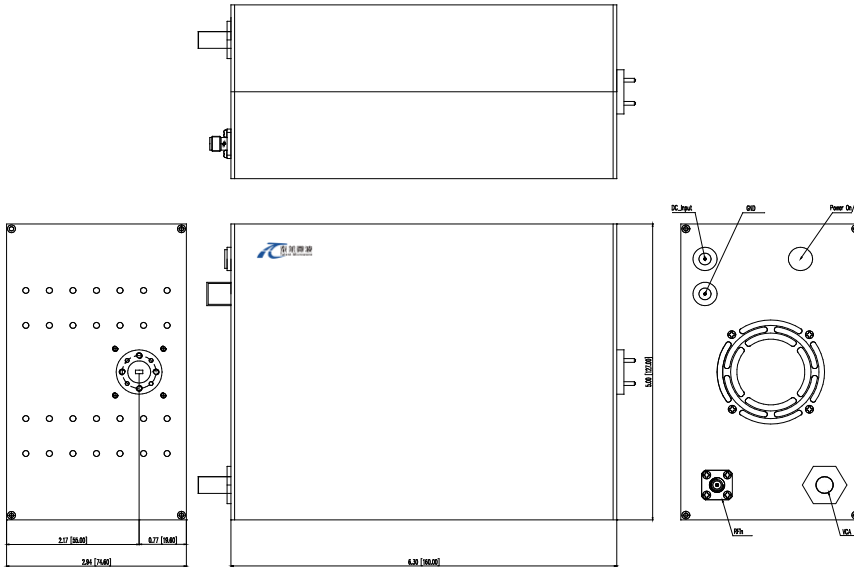
参数Parameter	指标 Value	单位Units
输出接口 Output Connector	WR-06 UG-387/UM	
输入接口 Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	160×127×74.6	mm

**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	+6dbm
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	0		55	°C
存储温度 Non-operating Temperature	-25		+65	°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-110150-0814-06	110-150 GHz X8 Active Frequency Multiplier , +14 dBm Output Power,WR-06 ,SMA (F) Input Port AC-DC Adapter	Rev.1.1

测试报告 (test curve) :

输出功率 vs. 频率 @ Pin=4dBm

