

**Model:TMAM-060090-0813-12**
**E-Band Active Multiplier  
 X8, 60-90 GHz, +13 dBm Output Power**
**Feature:**

- Output Frequency:60-90 GHz
- Output Power : 13dBm Typ
- Low power consumption

**电气特性 Electrical Specifications:**

参数Parameter	Min	Typ	Max	单位Units
输出频率 Output Frequency	60		90	GHz
输出功率 Output Power		13		dBm
输入频率 Input Frequency	7.5		11.25	GHz
输入功率 Input Power	3	5	7	dBm
谐波抑制 Harmonic Suppression		-15		dBc
倍频次数 Multiply Factor		8		
供电电压 DC Voltage		12		V
供电电流DC Supply Current		320		mA

**机械特性 Mechanical Specifications:**

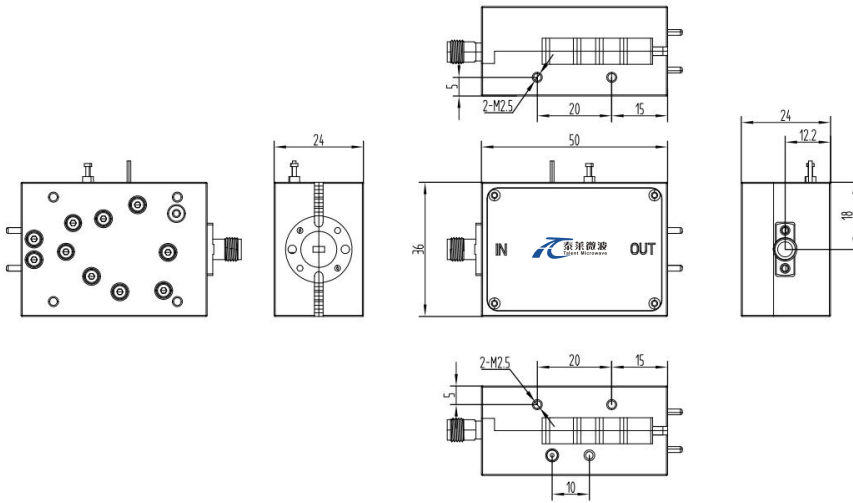
参数 Parameter	指标 Value	单位 Units
输出接口Output Connector	WR-12/UG-387/U	
输入接口Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	50*36*24	mm

**绝对最大值 Absolute Maximum Ratings:**

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15 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:

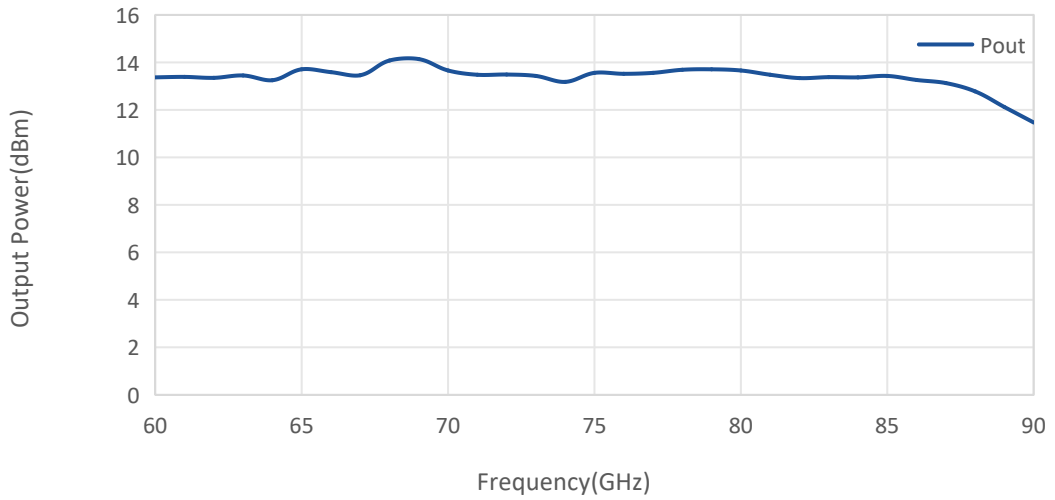
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	°C
存储温度 Non-operating Temperature	-25		+75	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		50,000		feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

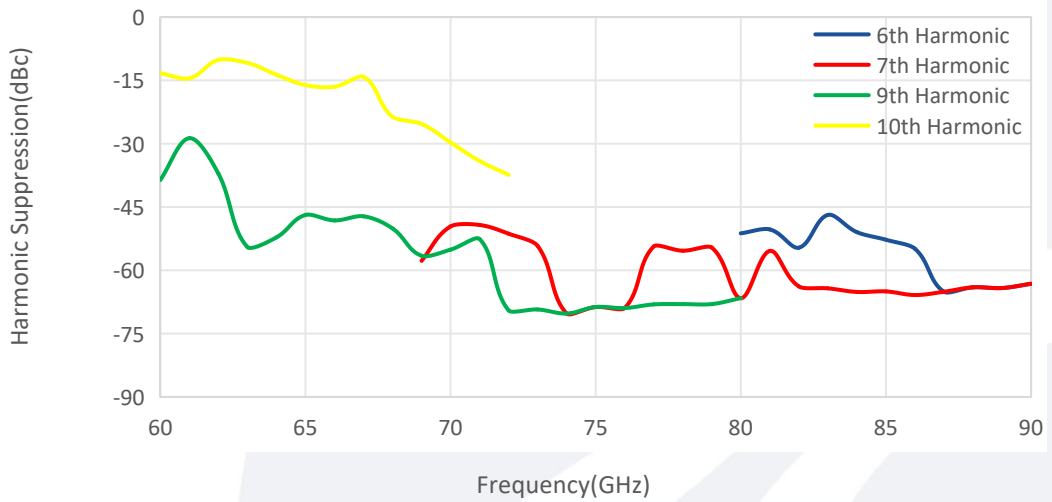
标准型号 Part Number	描述 Description	版本号 Revision
TMAM-060090-0813-12	Active Multiplier,X8,60-90GHz, Output Power:13dBm,WR-12/UG-387/U,SMA Female	Rev.1.1

典型曲线 Typical Performance Data:

Output Power vs Frequency



Harmonic Suppression vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.