

**Model:TMAM-077086-0225-12**
**E-Band Active Multiplier  
 X2, 77-86 GHz ,25 dBm Output Power,**
**Feature:**

- Output Frequency:77-86 GHz
- Output Power : 25 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	77		86	GHz
输出功率 Output Power	22	25	26.5	dBm
输入频率 Input Frequency	38.5		43	GHz
输入功率 Input Power	0	1	3	dBm
倍频次数 Multiply Factor		2		
输入回损 Input Return Loss		10		dB
输出回损 Output Return Loss		7		dB
供电电压 DC Voltage		5.5		V
供电电流DC Supply Current		1350		mA

**机械特性 Mechanical :**

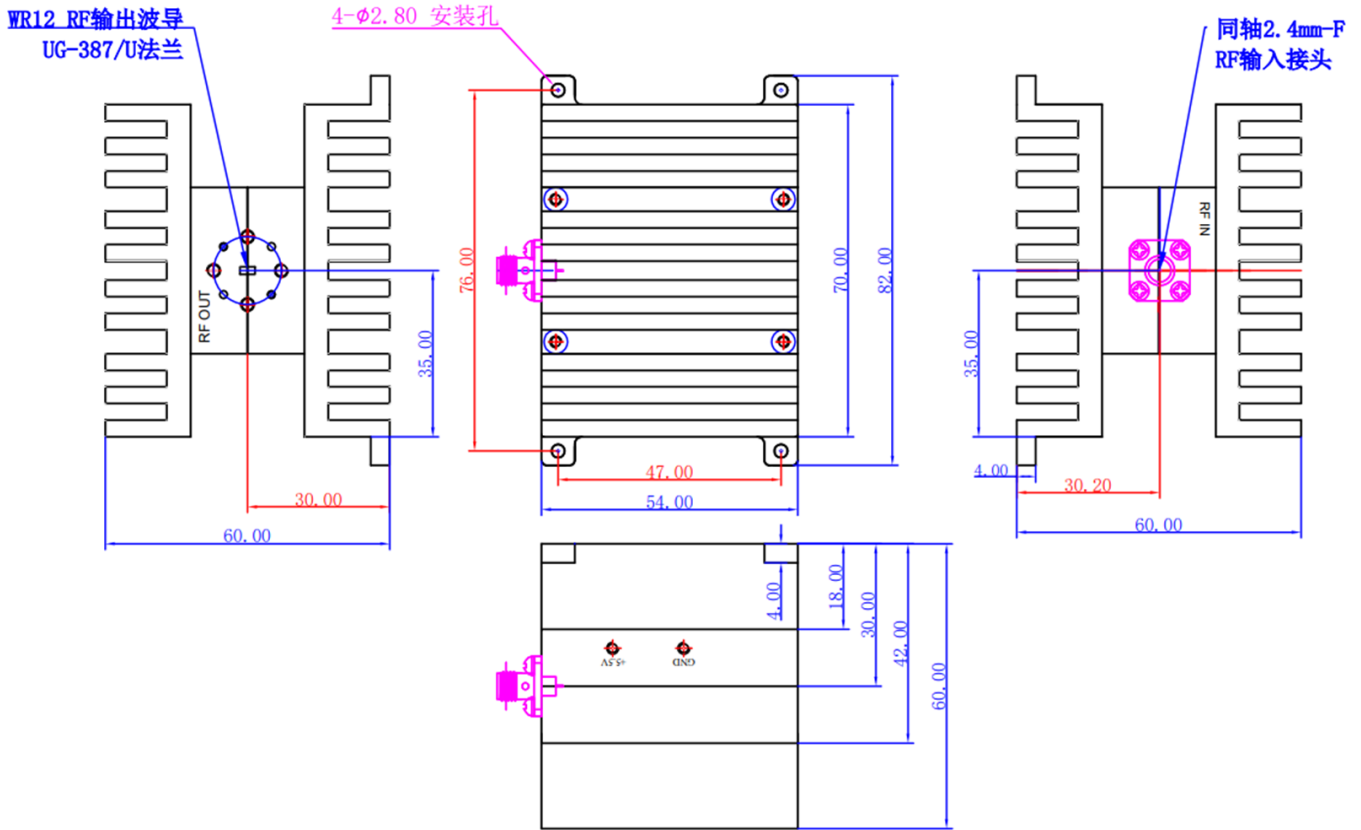
参数Parameter	指标 Value	单位 Units
输出接口Output Connector	WR-12/UG-387/U	
输入接口Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	待定	mm

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	5.5V
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



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		50000		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			