

**Model:TMPM-085135-0308-08**
**F-Band Passive Frequency Tripler  
 X3,85-135 GHz,8 dBm Output Power**
**Feature:**

- Output Frequency: 85-135GHz
- Output Power : 8dBm 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	85		135	GHz
输出功率 Output Power		8		dBm
输入频率 Input Frequency	28.33		45	GHz
输入功率 Input Power	19	21	23	dBm
倍频次数 Multiply Factor		3		dB
变频损耗 Conversion Efficiency		4		%

**机械特性 Mechanical Specifications:**

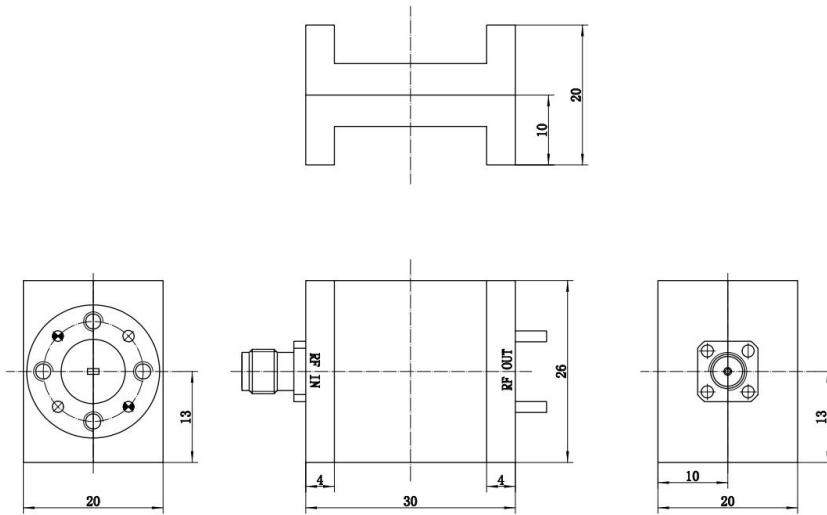
参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-8/ UG-387/U	
输入接口Input Connector	2.4mm Female	
直流偏置 Bias	TBD	
尺寸 Size	30×26×20	mm

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	18V
输入功率 RF INPUT POWER	7dBm
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	-55		+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
TMPM-085135-0308-08	F-Band Passive Frequency Tripler X3,85-135 GHz,8 dBm Output Power, WR-08	Rev.1.1