

Model:TMAM-075110-0405-10
**75-110 GHz X4 Active Frequency Multiplier
 +5 dBm Output Power,WR-10**
Feature:

- Output Frequency: 75-110GHz
- Output Power : 5dBm Typ
- Low power consumption

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	75		110	GHz
输出功率 Output Power	+3	+5	+10	dBm
输入频率 Input Frequency	18.75		27.5	GHz
输入功率 Input Power	+2	+3	+5	dBm
倍频次数 Multiply Factor		4		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		5.5		V
供电电流DC Supply Current		530		mA

机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
输出接口Output Connector	WR-10/UG-387/U	
输入接口Input Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	48mm×56mm×60mm	mm



Available 220V System
 Benchtop Active
 Multiplier

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	+5 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm(Inches)



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	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			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TMAM-075110-0405-10	75-110 GHz X4 Active Frequency Multiplier , +5 dBm Output Power,WR-10 ,2.92mm (F) Input Port	Rev.1.1