

Model:TMAM-090105-0315-10
**W-Band Active Multiplier
 X3, 90-105 GHz ,+15 dBm Output Power,**
Feature:

- Output Frequency: 90-105GHz
- Output Power : 15 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	90		105	GHz
输出功率 Output Power	14		16	dBm
输入频率 Input Frequency	30		35	GHz
输入功率 Input Power	16		21	dBm
倍频次数 Multiply Factor		3		dB
谐波抑制 Harmonic Suppression	-20			dBc
输入驻波 Input VSWR		2.5		:1
输出驻波 Output VSWR		2.5		:1
供电电压 DC Voltage		+5		V
供电电流DC Supply Current		250		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	WR-28/UG-599/U	
直流偏置 Bias	Solder Pin	
尺寸 Size		mm


 Available 220V System
 Benchtop Amplifier

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	+21 dbm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: (Inches)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-090105-0315-10	W-Band Active Multiplier X3, 90-105 GHz ,+15 dBm Output Power,WR-10	Rev.1.1