

Model: TLAM-4070-0417-V
Active Multiplier
X4, 40-70 GHz, +17 dBm Output Power
Feature:

- Output Frequency: 40-70 GHz
- Output Power : 17dBm 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	40		70	GHz
输出功率 Output Power	15	17		dBm
输入频率 Input Frequency	10		17.5	GHz
输入功率 Input Power	0	+5		dBm
基波抑制 Fundamental Harmonic		20		dBc
谐波抑制 Harmonic Suppression		20		dBc
倍频次数 Multiply Factor		4		dB
输入驻波 Input VSWR		2.2		:1
输出驻波 Output VSWR		2.2		:1
供电电压 DC Voltage		+5	+8	V
供电电流 DC Supply Current		450		mA

机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
输出接口 Output Connector	1.85mm Female	
输入接口 Input Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	28×18.9×13	mm

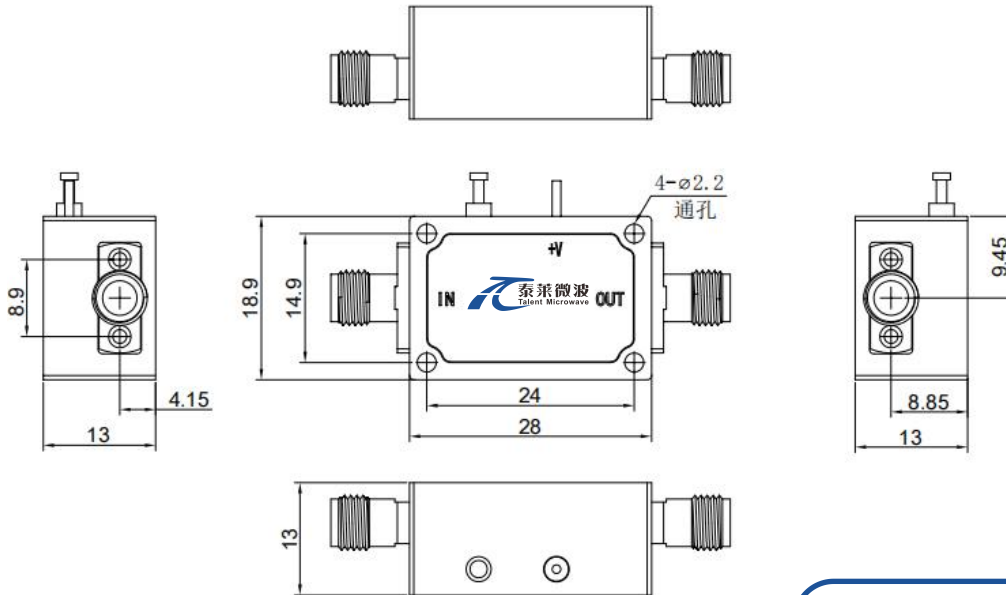

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15V
输入功率 RF Input Power	+10dBm
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	-55		+85	°C
存储温度 Non-operating Temperature	-65		+150	°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
TLAM-4070-0417-V	Active Multiplier X4, 40-70 GHz ,+17 dBm Output Power	Rev.1.1