

Model:TLPA18G40G-33-33
Power Amplifier
18-40GHz,Gain:33dB,Psat:33dBm
Feature:

- Ultra Wide Band: 18-40 GHz
- Gain: 33 dB Min
- Psat Output Power: 33 dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	18-40			GHz
增益 Gain	33			dB
增益平坦度 Gain Flatness		±5		dB
饱和输出功率 Output Psat		33		dBm
杂散 Supurious@Pout=33dBm			-50	dBc
谐波抑制 Harmonic@Pout=33dBm		-15		dBc
输入驻波 Input VSWR		2.0		:1
直流电压 DC Voltage	+18			V DC
功耗 Consumption	40@Max			W
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
输入输出接口 Input /Output Connector	2.92 Female/2.92 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	130.4*74.5*16	mm
重量 Weight	≤500	g

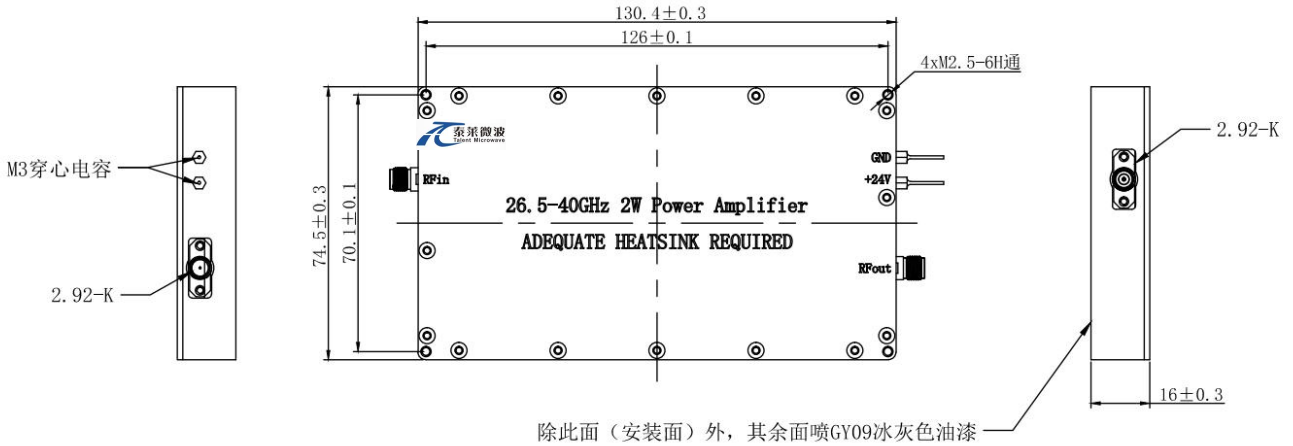
绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+18 V
输入功率 RF Input Power	+10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
 Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



***Heat Sink Required During Operation



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	0		+40	°C
存储温度 Non-operating Temperature	-20		+55	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			feet
震动 Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
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
TLPA18G40G-33-33	Power amplifier 18-40GHz, Gain:33dB, Psat:33dBm, +18V DC, Without Heatsink	Rev.1.1
TLPA18G40G-33-33-HS	Power amplifier 18-40GHz, Gain:33dB, Psat:33dBm, +18V DC, With Heatsink	Rev.1.1