

Model:TLPA2700M3200M-30-44
Power Amplifier
2.7-3.2GHz,Gain:30dB,Psat:44dBm
Feature:

- Ultra Wide Band: 2.7-3.2GHz
- Gain:30dB Min
- Psat Output Power: 44dBm Min
- 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	2.7-3.2			GHz
增益 Gain	30	33		dB
增益平坦度 Gain Flatness		±1	±1.5	dB
饱和输出功率 Output Psat	44	45		dBm
输入驻波 Input VSWR		1.3	1.5	:1
输出驻波 Output VSWR			2	:1
直流电压 DC Voltage		+28	+30	V DC
直流电流 DC Supply Current		3	4.2	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

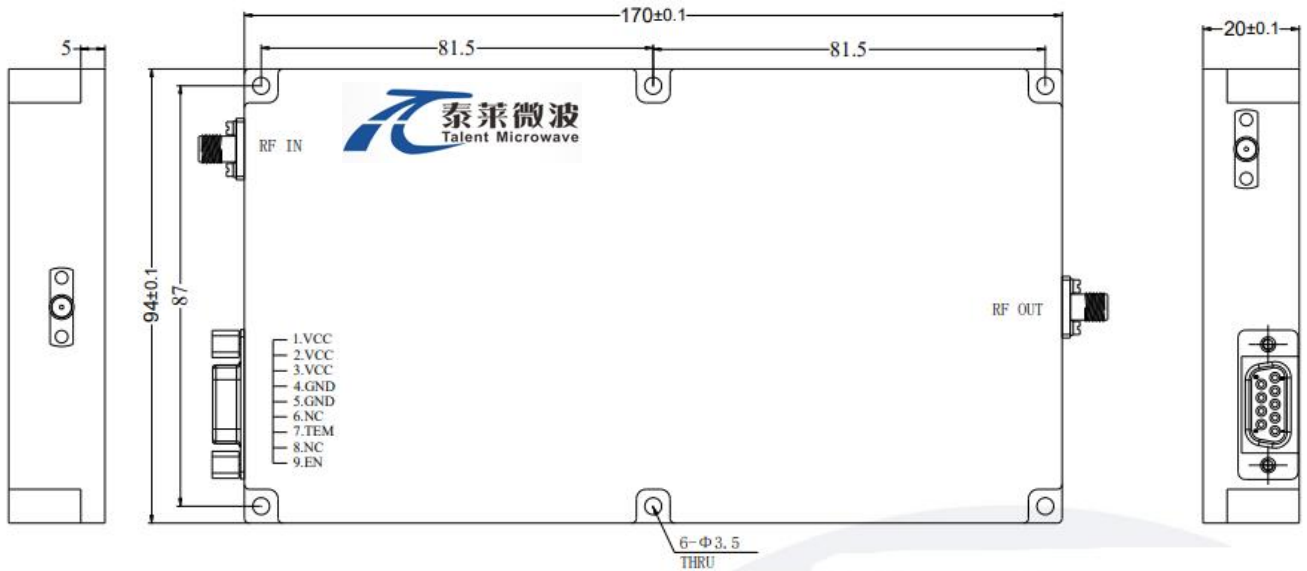
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	170*94*20	mm
重量 Weight	300	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+30V
输入功率 RF Input Power	20dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°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
TLPA2700M3200M-30-44	Power amplifier 2.7-3.2GHz, Gain:30dB, Psat:44dBm, +28V DC, Without Heatsink	Rev.1.1
TLPA2700M3200M-30-44-HS	Power amplifier 2.7-3.2GHz, Gain:30dB, Psat:44dBm, +28V DC, With Heatsink	Rev.1.1