

## TURLA0.1G26.5G-1860

## Low Noise Amplifier

0.1-26.5GHz, NF:6.0dB, Gain:18dB,P1dB:14dBm

### Feature:

- Ultra Wide Band: 0.1-26.5GHz
- Gain: 18dB Typ
- Noise Figure: 6.0dB Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

### 电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	0.1-26.5			GHz
增益 Gain	15	18		dB
增益平坦度 Gain Flatness		±2.0	±3.0	dB
噪声系数 Noise Figure		6.0		dB
线性输出功率P1dB		14		dBm
三阶交调 IP3		20		dBm
杂散 spurious		-60		dBc
输入驻波 Input VSWR		1.8	2.0	:1
输出驻波 Output VSWR		1.8	2.0	:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current		200		mA
阻抗 Impedance	50			Ohms

### 机械特性 Mechanical :

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	30*30*8	mm
重量 Weight	/	g



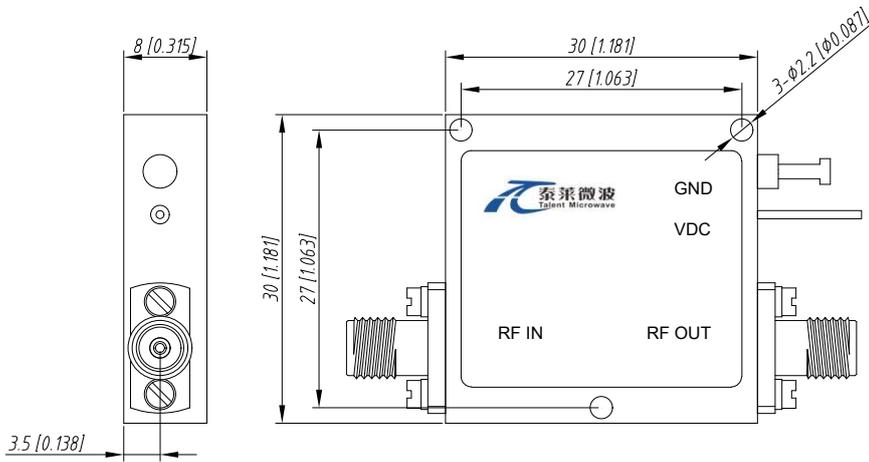
### 绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
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供电偏置电压 Supply Bias Voltage

## 外形尺寸 Outline Drawing:

Unit: mm(inches)



**\*\*\*Heat Sink Required During Operation**

## 温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-40		+75	°C
存储温度 Non-operating Temperature	-55		+125	°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
TURLA0.1G26.5G-1860	Low Noise Amplifier, 0.1-26.5GHz, Noise Figure:6.0 dB, Gain:18 dB,P1dB:14dBm,12V DC,Without Heatsink	Rev.1.1

## 典型曲线 Typical Performance Data:

