

**Model:TLPA18G26G-35-35**
**Power Amplifier**
**18-26.5GHz, Gain:35dB, P1dB:35dBm**
**Feature:**

- Ultra Wide Band: 18-26.5GHz
- Gain: 35dB Min
- Psat Output Power: 35.5 dBm 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	18-26.5			GHz
小信号增益 small signal Gain	35			dB
增益平坦度 Gain Flatness		±1.5	±2.0	dB
线性输出功率P1dB		35		dBm
饱和输出功率 Psat		35.5		dBm
输入驻波 Input VSWR		1.8	2.0	:1
输出驻波 Output VSWR		2.0	2.5	:1
直流电压 DC Voltage			+12	V DC
直流电流 DC Supply Current	3			A
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

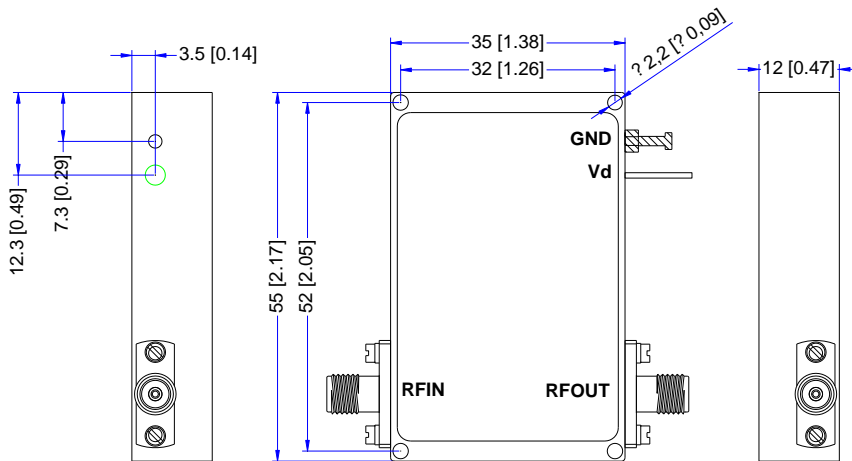
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	55*35*12	mm
重量 Weight	/	g


**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	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm(inches)



**\*\*\*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	-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
TLPA18G26G-35-35	Power amplifier 18-26.5GHz, Gain:35dB, P1dB:35dBm, 12V DC, Without Heatsink	Rev.1.1
TLPA18G26G-35-35-HS	Power amplifier 18-26.5GHz, Gain:35dB, P1dB:35dBm, 12V DC, With Heatsink	Rev.1.1