

**Model:THPA2G18G-37-37-AC**
**Solid State High Power Amplifier Systems  
 2-18GHz,Gain:37dB,Psat:37dBm,220V AC**
**Feature:**

- Ultra Wide Band: 2-18 GHz
- Gain: 37 dB Min
- Psat Output Power: 37 dBm Min
- Protection:Over TEM,over voltage, over current protection.
- 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	2-18			GHz
增益 Power Gain	37			dB
增益平坦度 Gain flatness		±3		dB
饱和输出功率 Psat	37			dBm
杂散 Non-Harmonic Spurious		-60		dBc
谐波 Harmonics@Pout=5W		15		dB
输入回拨损 Input Return Loss			-10	dB
输入功率 Input Power		0	10	dBm
交流电压 AC Voltage		220		V AC
功耗 Power Consumption		120		W
阻抗 Impedance	50			Ohms

**机械特性 Mechanical :**

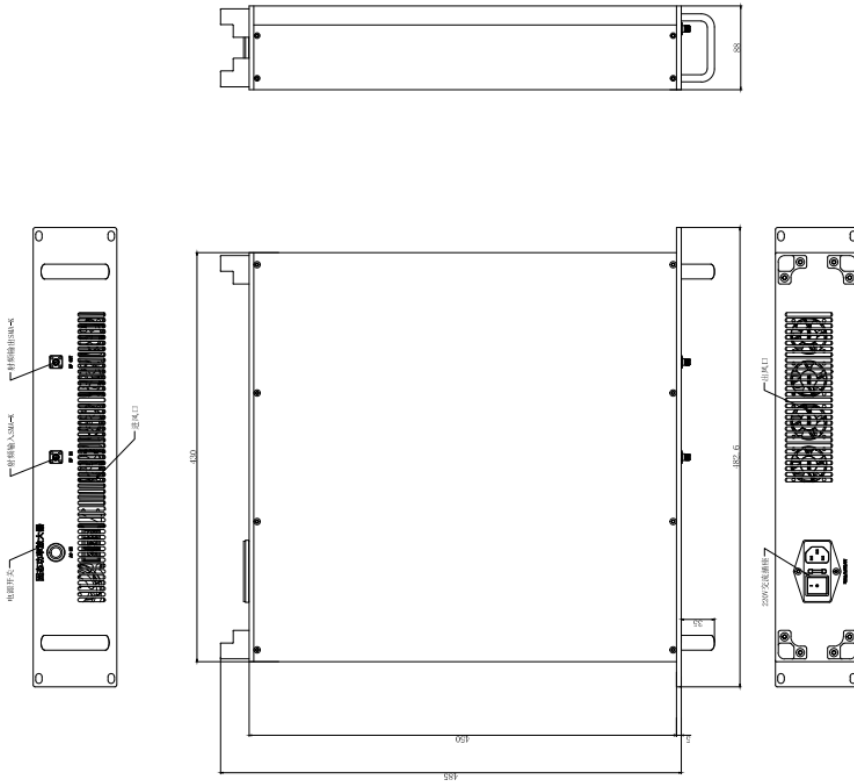
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
AC加电控制 AC Power Interface	Air switch	
尺寸 Size	19 Inch 2U	
重量 Weight	20	Kg

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	260V AC
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



温度环境 Environmental Conditions:

参数 Parameter	Min.	Typ.	Max.	单位 Units
操作温度 Operating Temperature	-20		+60	°C
存储温度 Non-operating Temperature	-45		+65	°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 11msec 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
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