Suzhou Talent Microwave,Inc
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Model:THPA18G26G-47-47-AC

Solid State High Power Amplifier Systems 18-26.5GHz,Gain:47dB,Psat:47dBm,220V AC

Feature:

- Ultra Wide Band: 18-26.5 GHz
- Gain: 47 dB Min
- Psat Output Power: 47 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		18-26.5		GHz
增益 Power Gain	47			dB
增益平坦度 Gain flatness			±3	dB
饱和输出功率 Psat		47		dBm
饱和功率平坦度 Saturated Power flatness			±1.5	dB
杂散 Non-Harmonic Spurious	-60			dBc
谐波 Harmonics@Pout=50W			15	dBc
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
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	2.92mmFemale/ WR-42	
AC加电控制 AC Power Interface	Air switch	
尺寸 Size	19 Inch 3U	
重量 Weight	25	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

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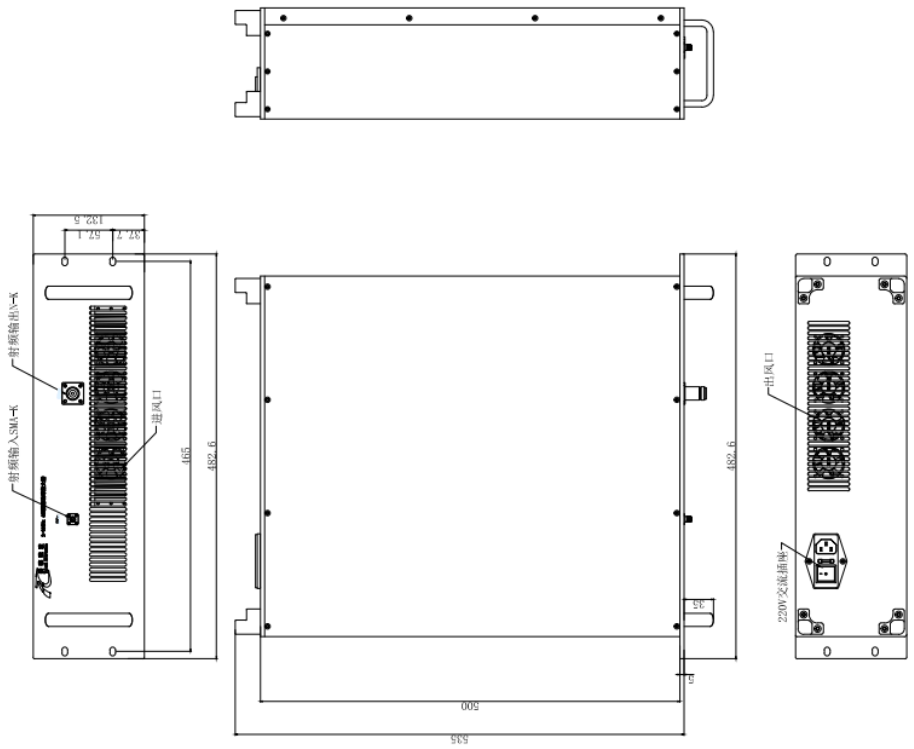
外形尺寸Outline Drawing:

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	℃
存储温度 Non-operating Temperature	-45		+65	℃
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
THPA18G26G-47-47-AC	Solid State High Power Amplifier Systems,18-26.5 GHz,Gain:47dB,Psat:47dBm,220V AC Protection:Over TEM,over voltage, over current protection.	Rev.1.1

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