

Model: TLPA6G18G-54-54-BC

**Solid State High Power Amplifier Systems
6-18GHz, Gain: 54dB, Psat: 54dBm, 220V AC**

Feature :

- Ultra Wide Band: 6-18 GHz
- Gain: 54 dB Min
- Psat Output Power: 54 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	6-18			GHz
增益 Power Gain	54			dB
增益平坦度 Gain flatness *equalized			±4*	dB
增益调节范围 Gain adjustment range		30		dB
增益调节步进 Gain adjustment step		0.5		dB
线性输出功率 P1dB		49		dBm
饱和输出功率 Psat	54			dBm
杂散 Non-Harmonic Spurious	60			dBc
谐波 Harmonics @ Pout=250W	10	15		dBc
输入驻波 Input VSWR			2.0	:1
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 :

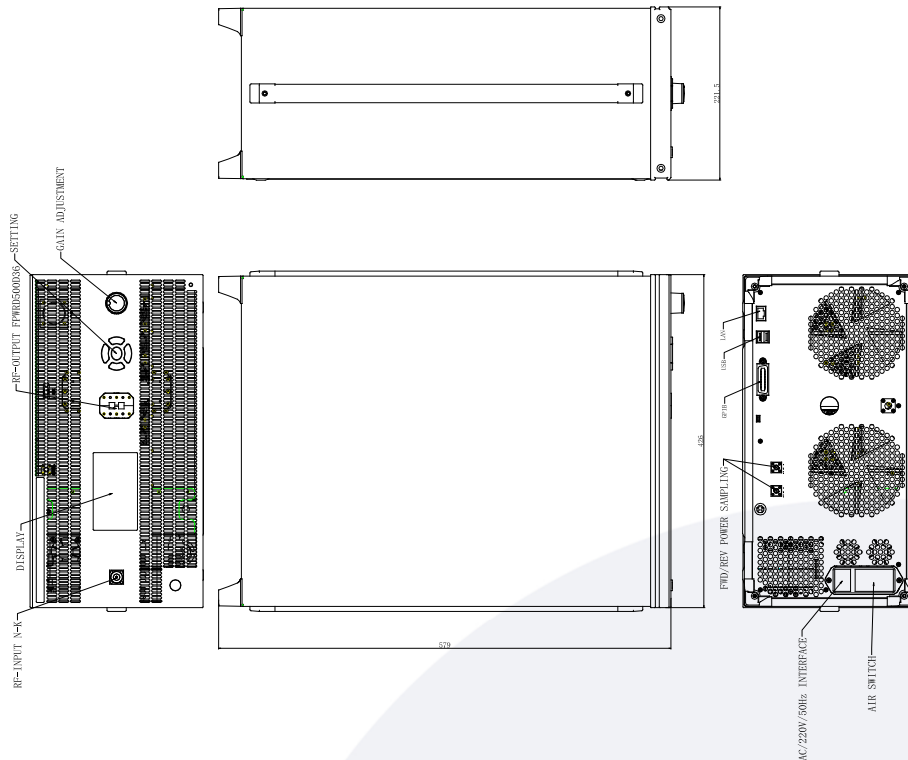
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	N-K /WRD500	
尺寸 Size	5	U
重量 Weight	35	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	220V 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

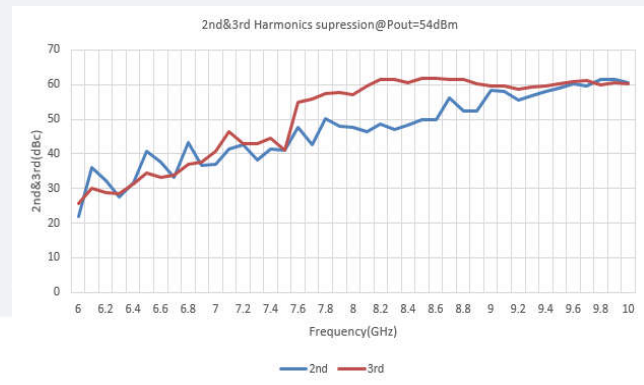
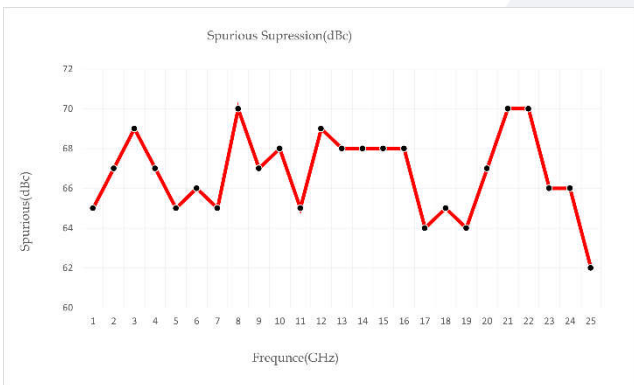
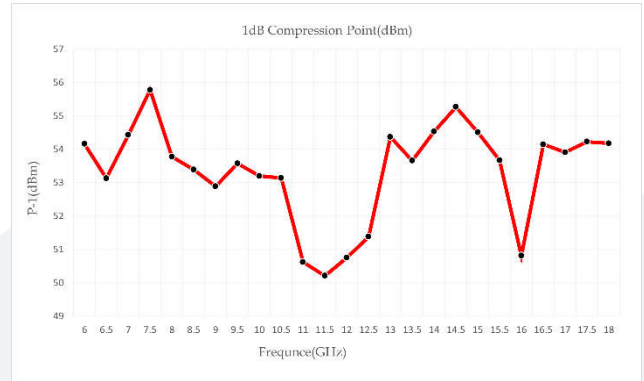
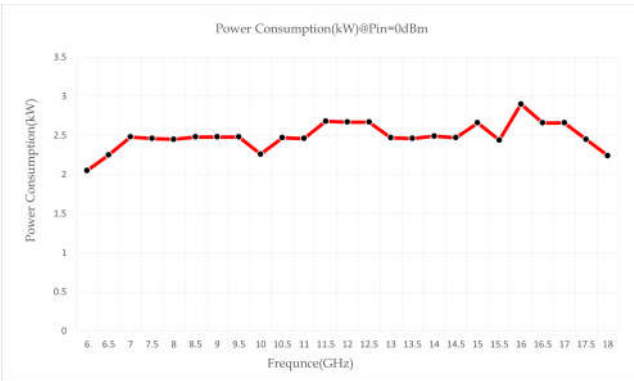
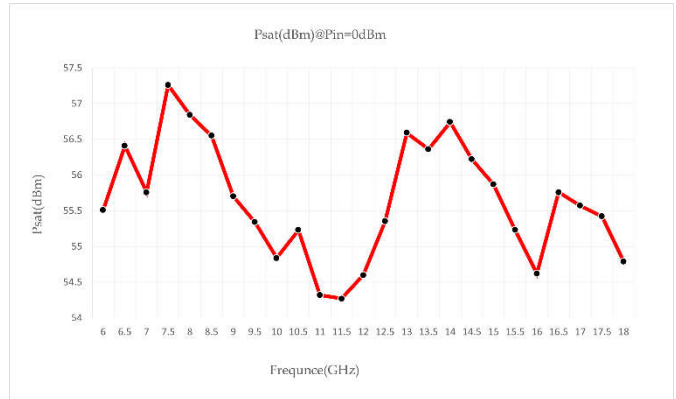
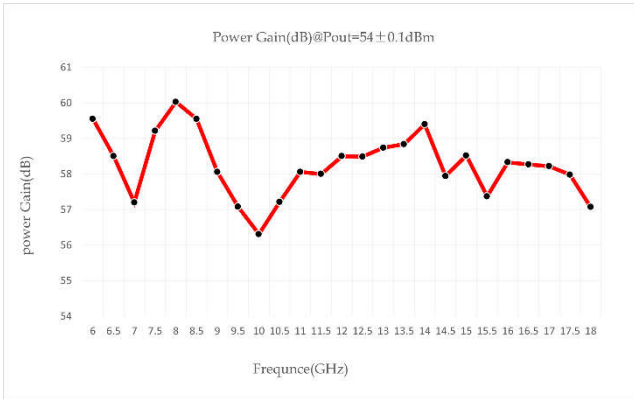


温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-20		+50	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		10000		feet
震动 Shock / Vibration(MIL-STD-810F)	Shock Method 516.5			
冲击 Shock(non operating)	Vibration Method 514.5			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA6G18G-54-54-BC	Solid State High Power Amplifier Systems,6-18GHz,Gain:54dB,Psat:54dBm,220V AC Protection:Over TEM,over voltage, over current protection.	Rev.1.1



Input VSWR

