

Model:TLPA0.5G6G-57-57-BC
**Solid State High Power Amplifier Systems
 0.5-6GHz,Gain:57dB,Psat:57dBm,380V AC**
Feature:

- Ultra Wide Band: 0.5-6GHz
- Gain: 57dB Min
- Psat Output Power:57dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output


电气特性 Electrical:

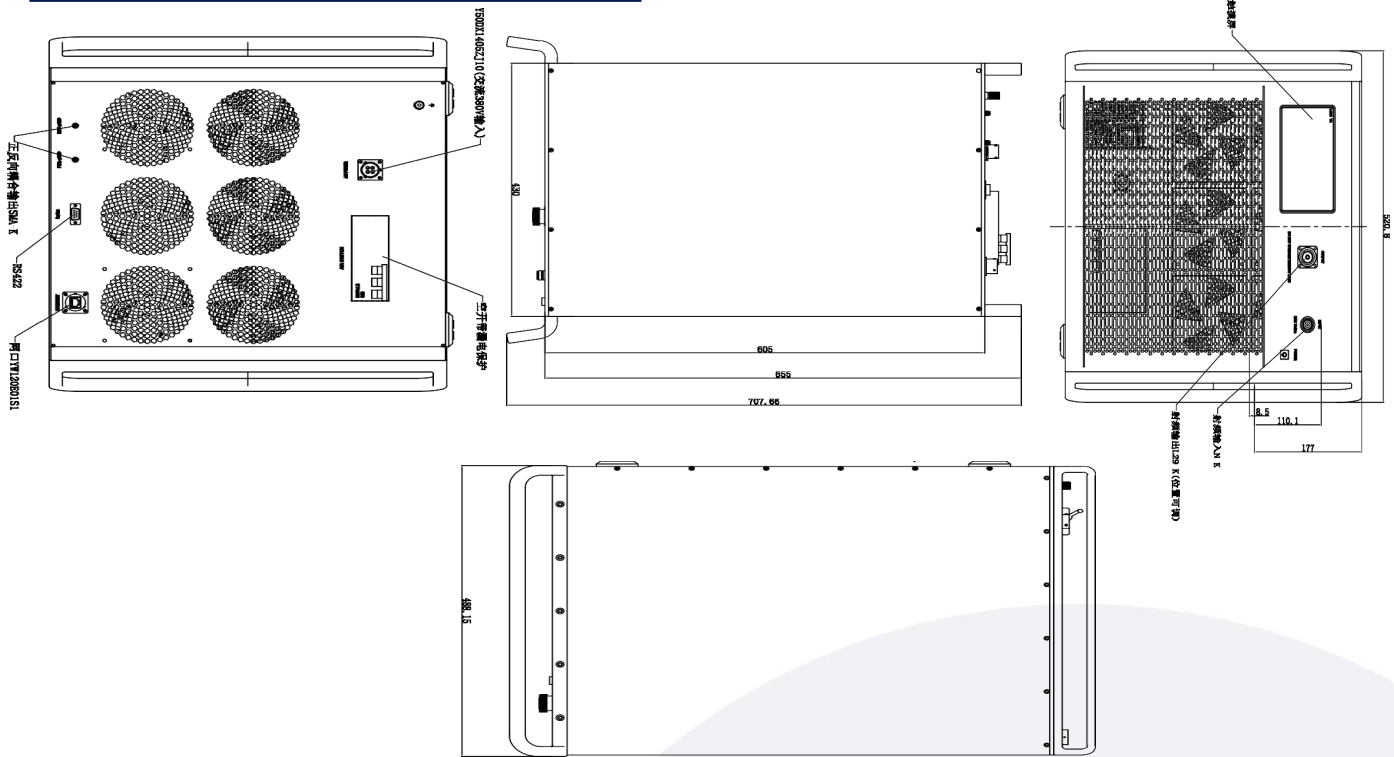
参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	0.5-6			GHz
增益 Gain	Gp	57			dB
增益平坦度 Gain flatness	Δ GL		± 3		dB
增益调节范围 Gain Adjust Range	Δ GR		30		dB
增益调节步进 Gain Adjust Step	Δ GS		0.5		dB
饱和输出功率 Psat	Psat	57			dBm
线性输出功率 P1dB	P1dB		52		
输入功率 Input Power	Pin		0	10	dBm
杂散 Non-Harmonic Spurious	Spur	60			dBc
谐波 Harmonics	HAM	10	15		dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	380/50Hz			V AC
功耗 Power Consumptio	Pdiss			5500	W
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical :

参数Parameter	指标 Value	单位 Units
输入接口 Input Connector	N Female	
输出接口 Output Connector	7/16 DIN-K	
程控接口 Programmable Interfaces	RS422/LAN/GPIB/USB	
尺寸 Size	19 Inch 11U,800mm depth	
重量 Weight	85	Kg

外形尺寸 Outline Drawing:

Unit: mm(Inches)



主要功能 Key Features:

参数 Parameter	特点 Advantages
控制 Control	RS422/LAN, LCD Screen Display
控制功能 Control functions	1, Power setting On/Off
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
冷却系统 Cooling system	Front to back forced air cooling fans makes this ideal for usage in test equipment racks

温度环境 Environmental Conditions:

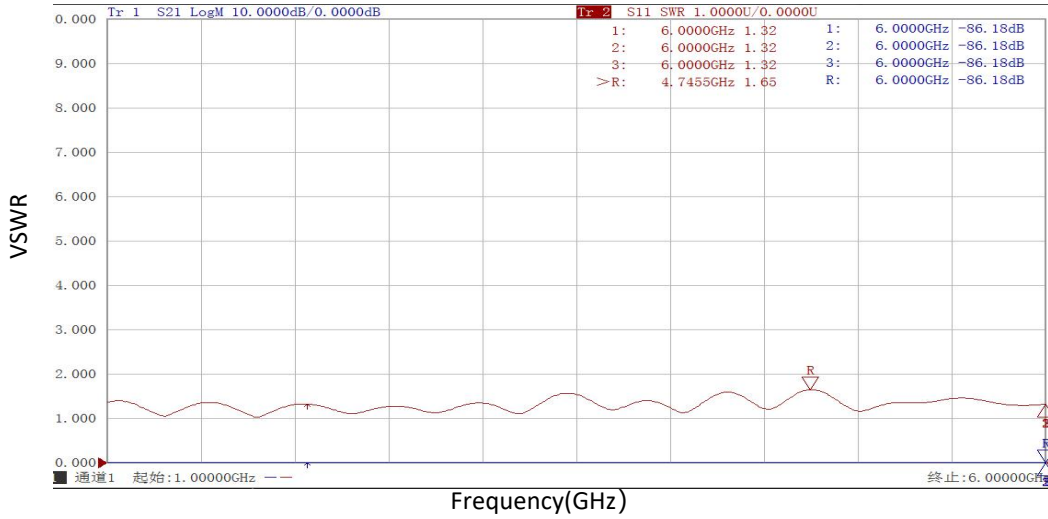
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

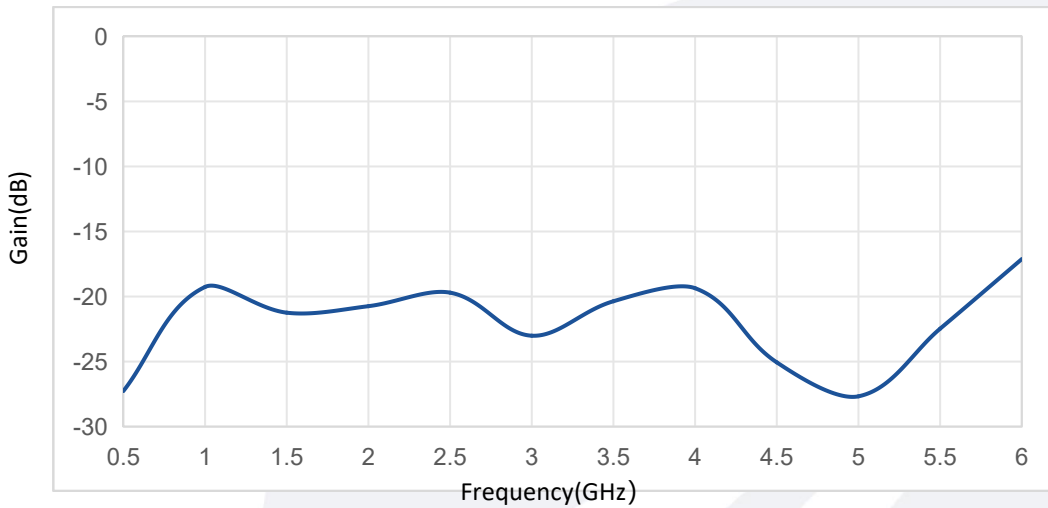
标准型号 Part Number	描述 Description	版本号Revision
TLPA0.5G6G-57-57-BC	Solid State High Power Amplifier Systems, 0.5-6GHz, Gain:57dB, Psat:57dBm, 380V AC	Rev.1.0

典型曲线 Typical Performance Data:

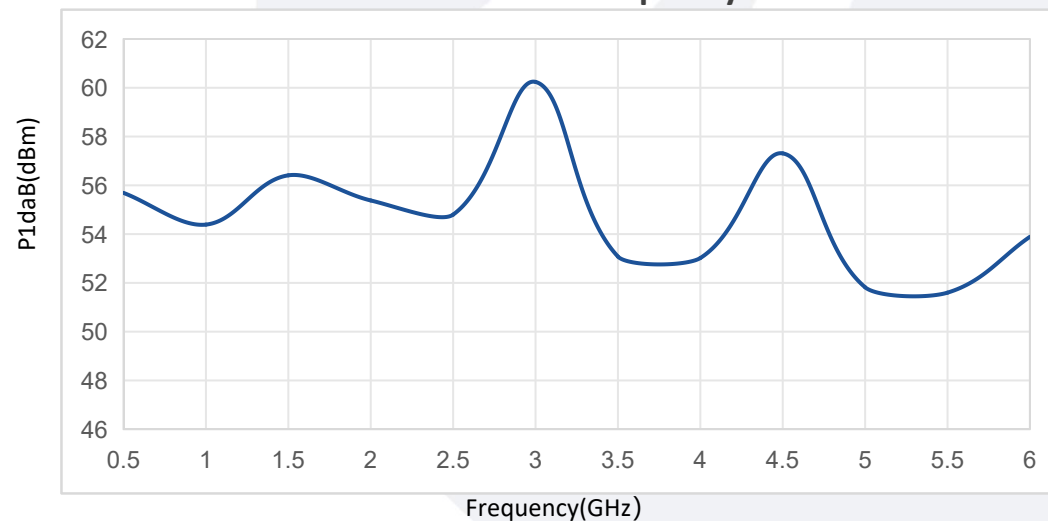
VSWR vs Frequency



Gain vs Frequency

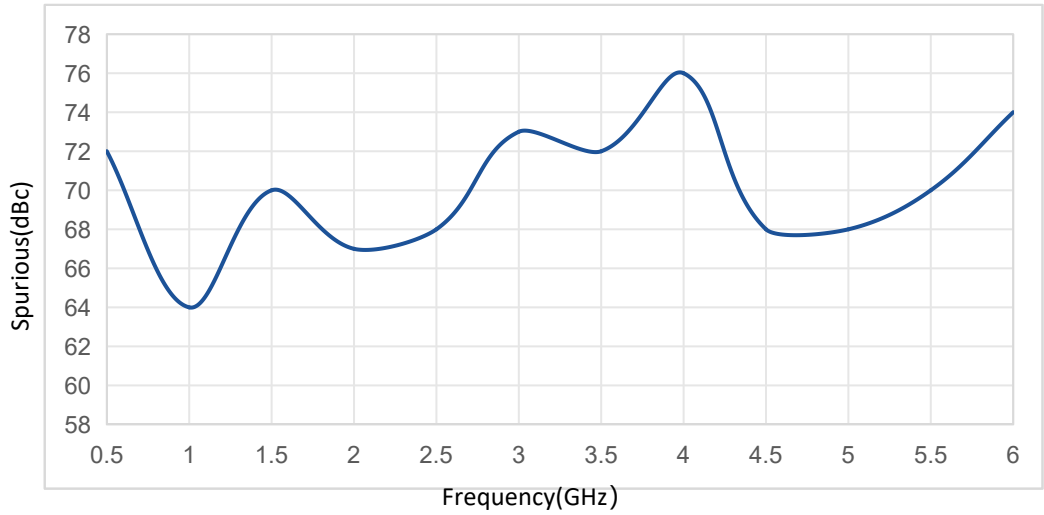


P1dB vs Frequency



典型曲线 Typical Performance Data:

Spurious vs Frequency



Harmonic vs Frequency

