

**Model:TLPA26.5G40G-47-47-BC**
**Solid State High Power Amplifier Systems  
 26.5-40GHz,Gain:47dB,Psat:47dBm,220V AC**
**Feature:**

- Ultra Wide Band: 26.5-40GHz
- Gain: 47dB Min
- Psat Output Power:47dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output


**电气特性 Electrical:**

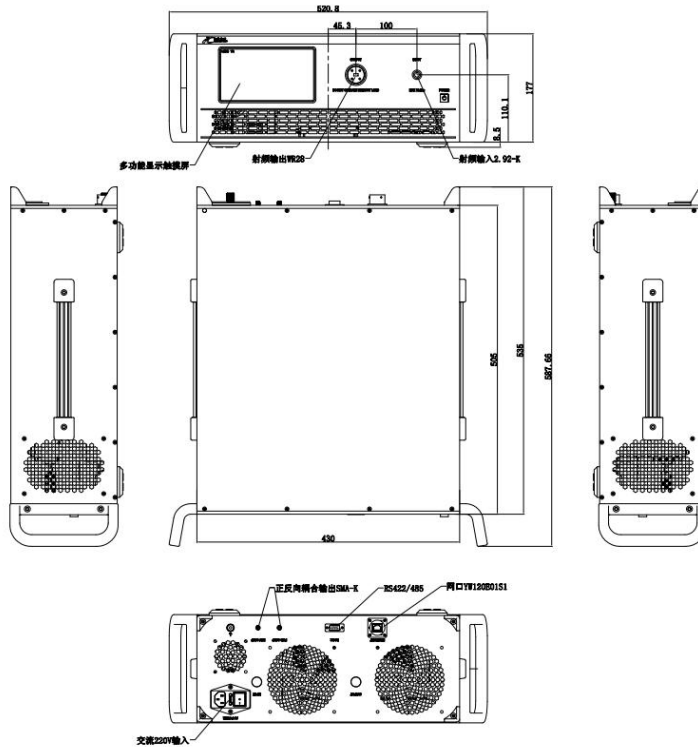
参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	26.5-40			GHz
增益 Power Gain	Gp	47			dB
增益平坦度Gain flatness	$\Delta$ GL		$\pm 4$	$\pm 5$	dB
饱和输出功率 Psat	Psat	47			dBm
输入功率 Input Power	Pin		0	10	dBm
杂散 Non-Harmonic Spurious	Spur	50			dBc
谐波 Harmonics@Pout=50W	HAM	30			dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	220/50Hz			V AC
功耗 Power Consumptio	Pdiss			1000	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	2.92mm Female	
输出接口 Output Connector	WR28	
液晶显示屏 Front Panel LCD Screen Display	4 inch LCD Screen Display	
通信接口Communication Interfaces	RJ45/DB9	
尺寸 Size	19 Inch 4U	
重量 Weight	35	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:**

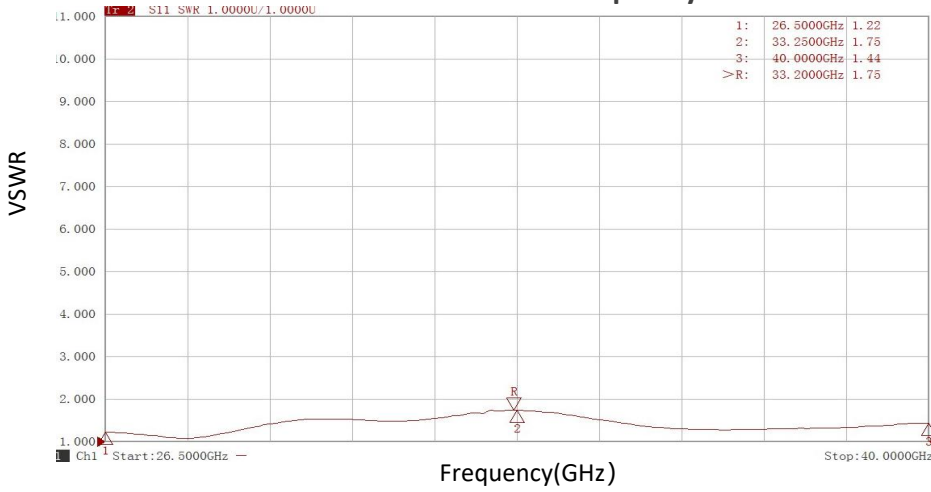
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc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

**订货信息 Ordering Information:**

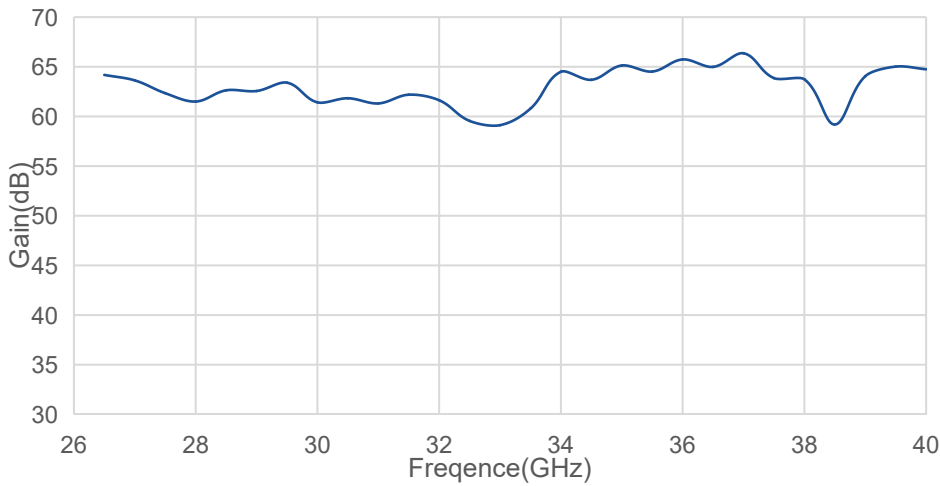
标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-47-47-BC	Solid State High Power Amplifier Systems, 26.5-40GHz,Gain:47dB,Psat:47dBm,220V AC	Rev.1.0

典型曲线 Typical Performance Data:

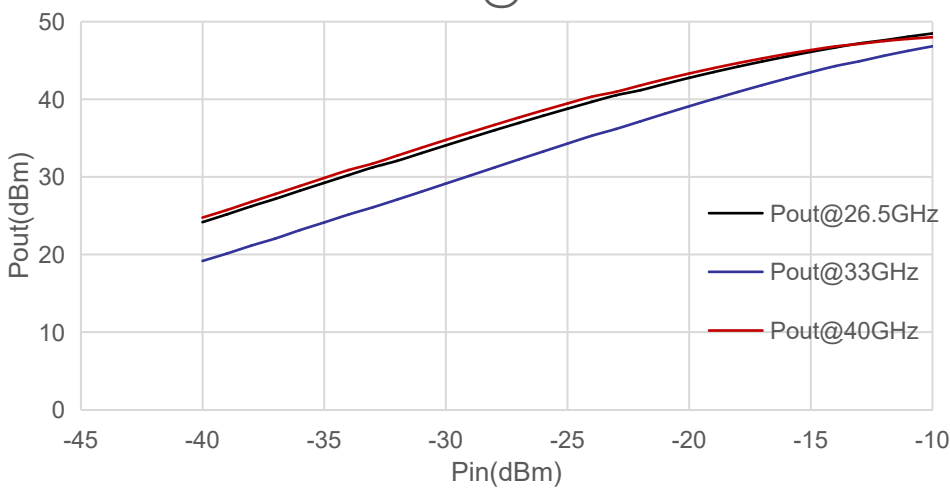
VSWR vs Frequency



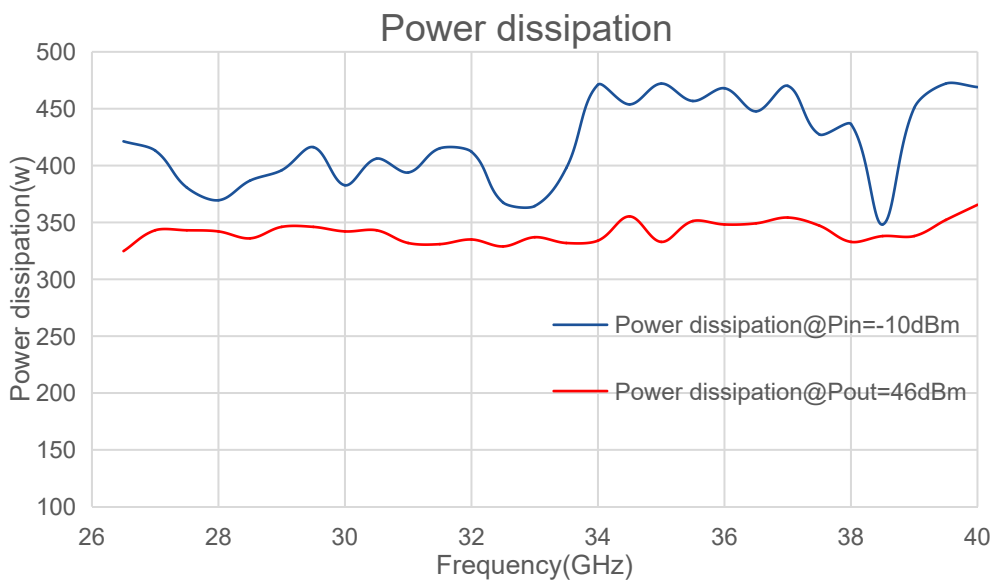
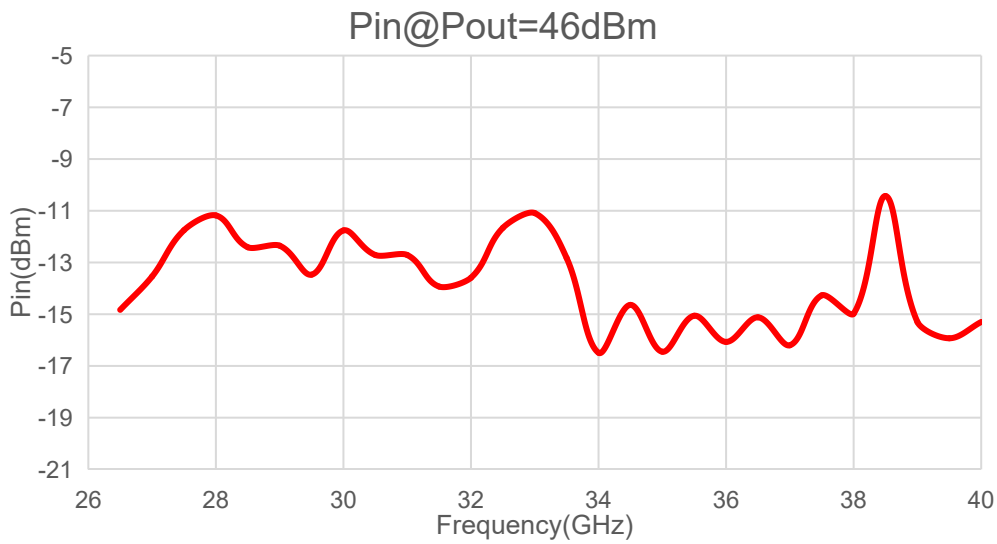
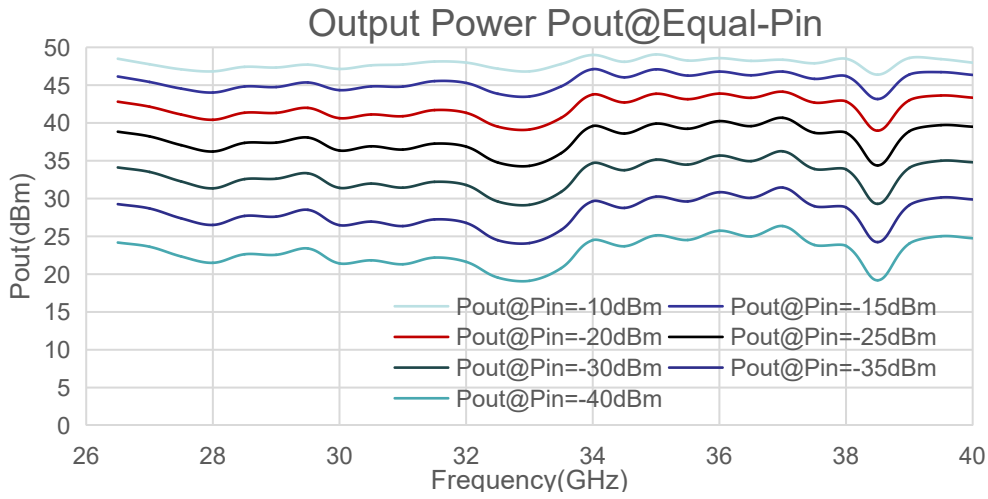
Small Signal Gain@Pin=-40dBm



Pout@Pin

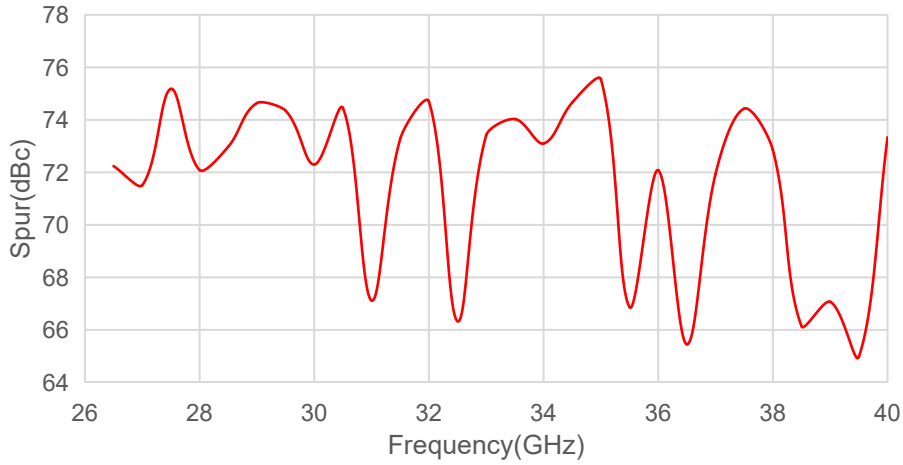


典型曲线 Typical Performance Data:



典型曲线 Typical Performance Data:

Spurious Signals @Pout=46dBm



Output P1dB & P3dB

