

Model:TLPA26.5G40G-52-51-BC

**Solid State High Power Amplifier Systems
26.5-40GHz,Gain:52dB,Psat:51dBm,220V AC**

Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain: 52dB Min
- Psat Output Power:51dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output



电气特性 Electrical:

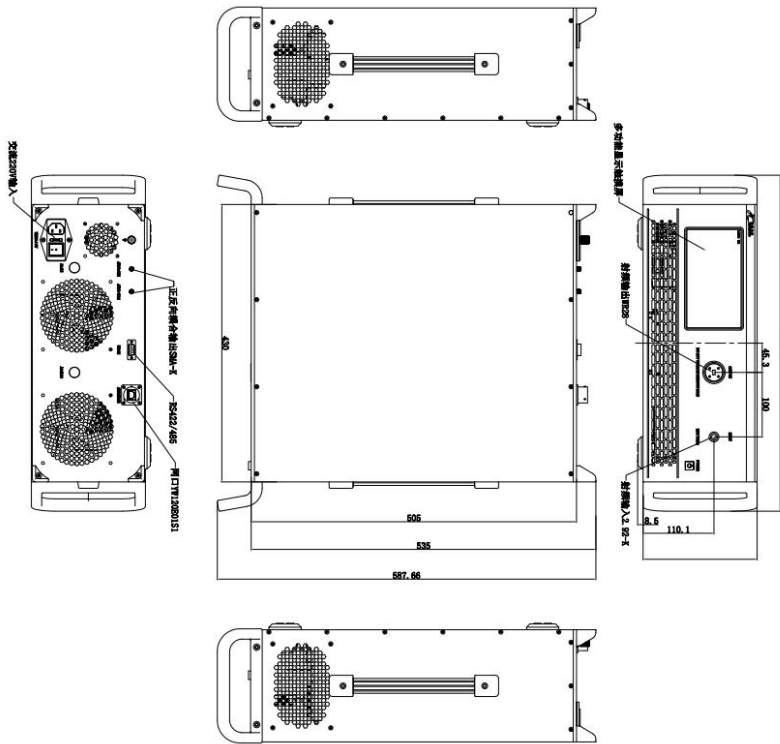
参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	26.5-40			GHz
工作模式 Working Model	MOD	CW/PULSE			
增益 Gain	Gp	52			dB
增益平坦度 Gain flatness	Δ GL		± 4.5		dB
饱和输出功率 Psat	Psat	51	53		dBm
线性输出功率 P1dB	P1dB		52		
输入功率 Input Power	Pin	-3	0	10	dBm
杂散 Non-Harmonic Spurious	Spur	50			dBc
谐波 Harmonics	HAM	20			dBc
输入驻波 Input VSWR	VSWRin		2.0	2.5	:1
交流电压 AC Voltage	Vac	AC/220 ($\pm 10\%$) V/50 ($\pm 10\%$) Hz			V AC
功耗 Power Consumptio	Pdiss			1850	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	
正向耦合 Forward Coupling Connector	2.92mm Female	
反向耦合 Reverse Coupling Connector	2.92mm Female	
通信接口 Communication Interfaces	J30J-9ZKP	
尺寸 Size	19 Inch 5U,550mm depth	
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, Gain adjustment, State query
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:

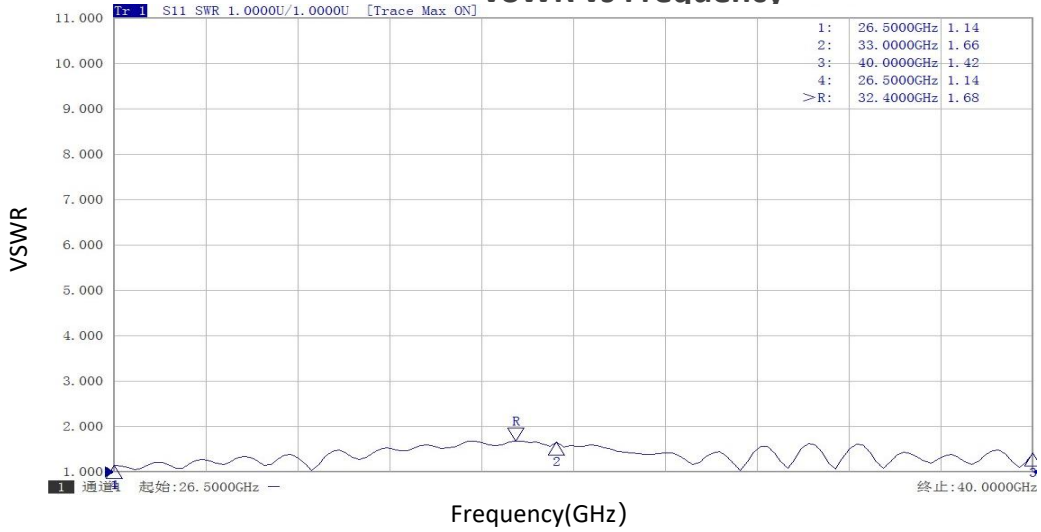
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-20		+50	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc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

订货信息 Ordering Information:

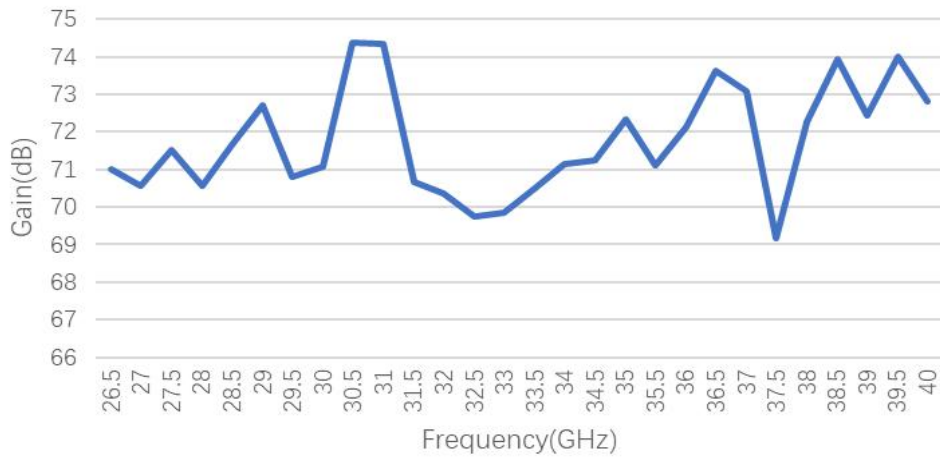
标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-52-51-BC	Solid State High Power Amplifier Systems, 26.5-40GHz,Gain:52dB,Psat:51dBm,220V AC	Rev.1.0

典型曲线 Typical Performance Data:

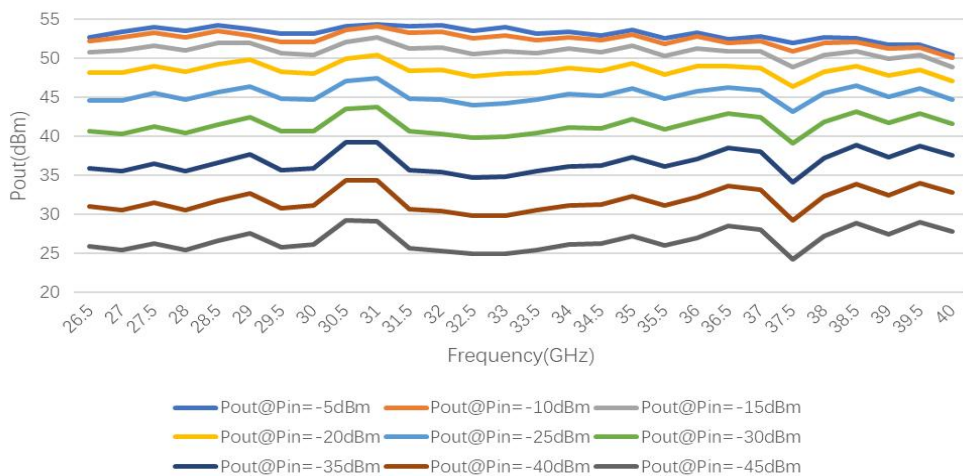
VSWR vs Frequency



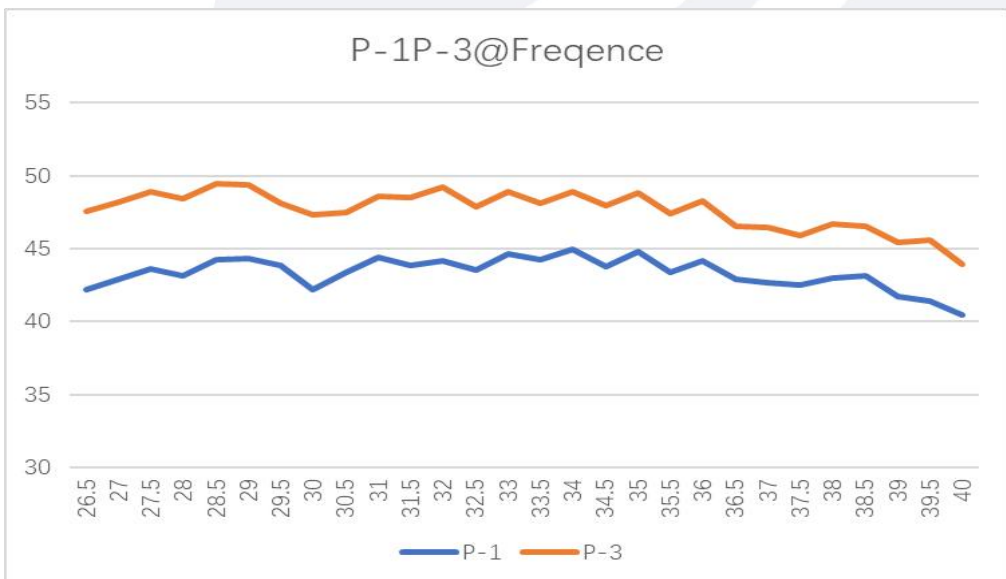
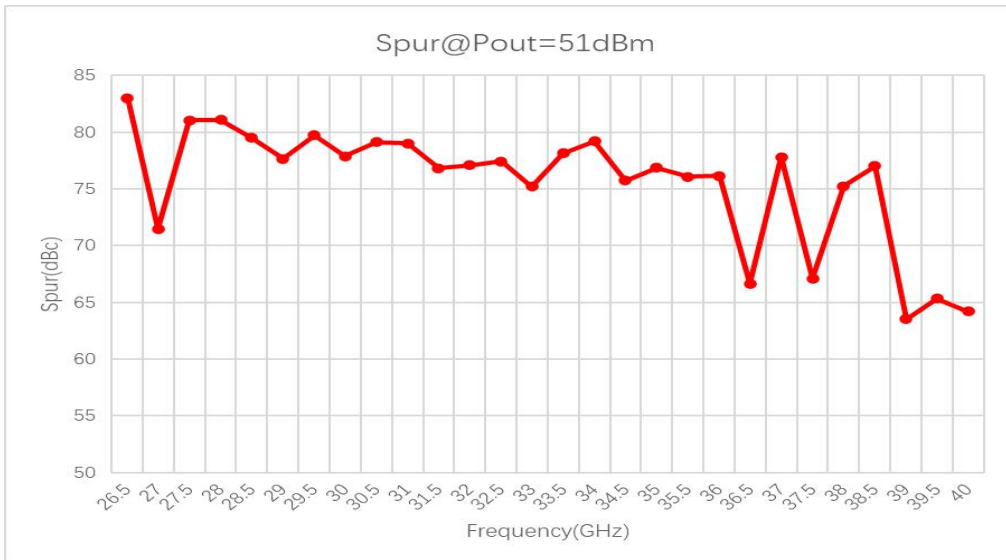
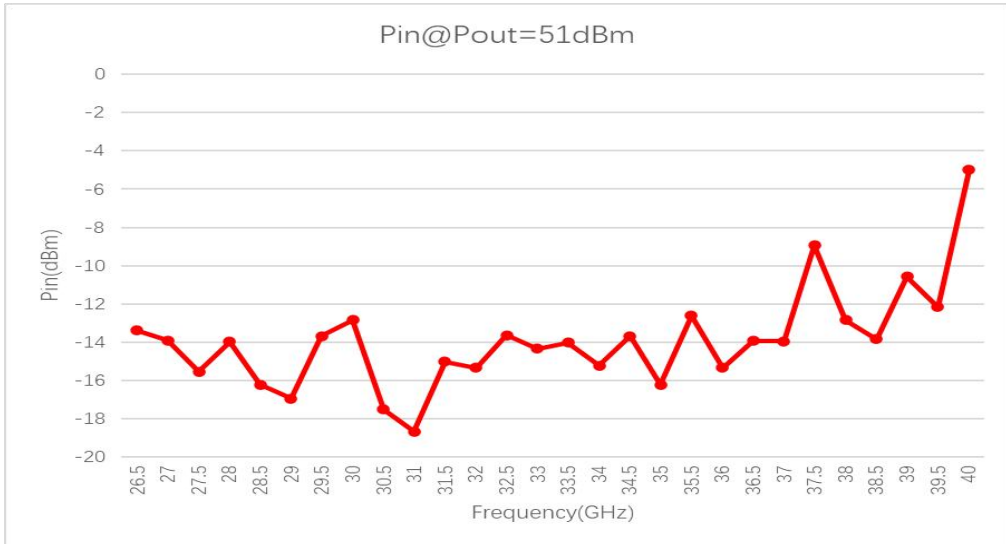
SSG(dB)@Pin= -40dBm



Pout@Equal-Pin



典型曲线 Typical Performance Data:



典型曲线 Typical Performance Data:

