

Model:TLPA26.5G40G-53-53-BC
**Solid State High Power Amplifier Systems
 26.5-40GHz,Gain:53dB,Psat:53dBm,380V AC**
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain: 53dB Min
- Psat Output Power: 53dBm Min
- Protection:Over TEM,over voltage, over current ,over output mismatch 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	53			dB
增益平坦度Gain flatness	Δ GL			± 5	dB
饱和输出功率 Psat	Psat	53			dBm
输入功率 Input Power	Pin		0	10	dBm
杂散 Non-Harmonic Spurious	Spur	50			dBc
谐波 Harmonics@Pout=53dB	HAM	20			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			5000	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	
液晶显示屏 Front Panel LCD Screen Display	5.6 inch LCD Screen Display	
通信接口Communication Interfaces	RJ45/DB9/GPIB	
尺寸 Size	19 Inch 20U	
重量 Weight	/	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/GPIB/USB, LCD Screen Display
控制功能 Control functions	1, Power setting On/Off 2, ALC
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over output mismatch protection
冷却系统 Cooling system	Front to back forced air cooling fans makes this ideal for usage in test equipment racks

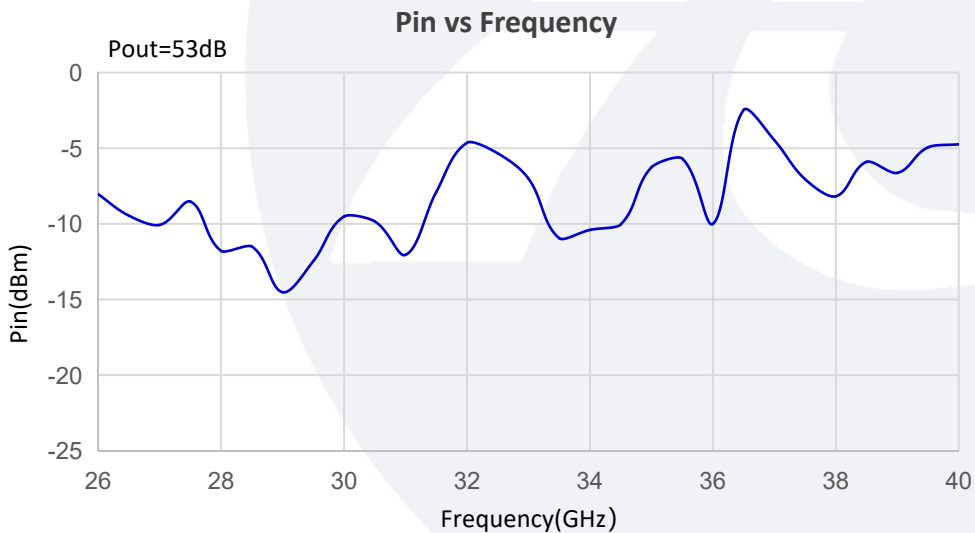
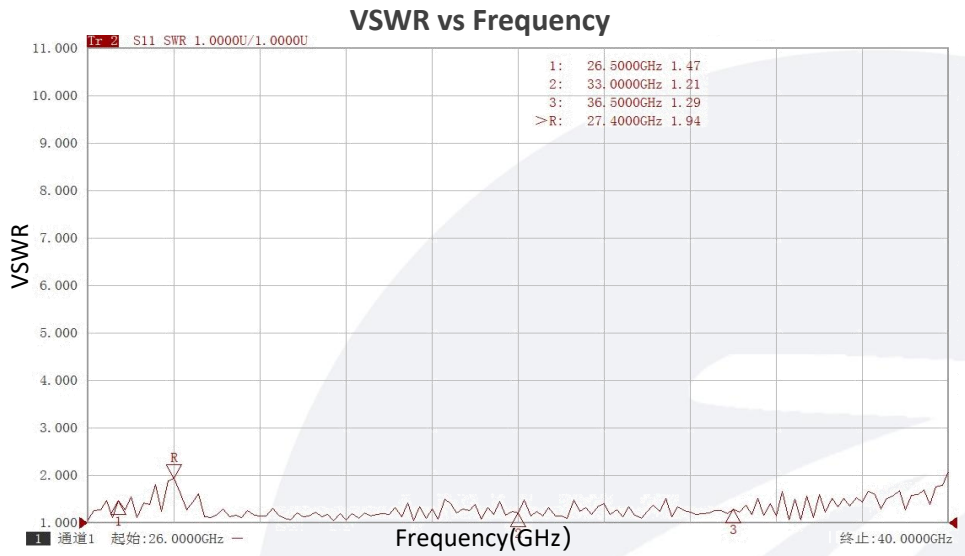
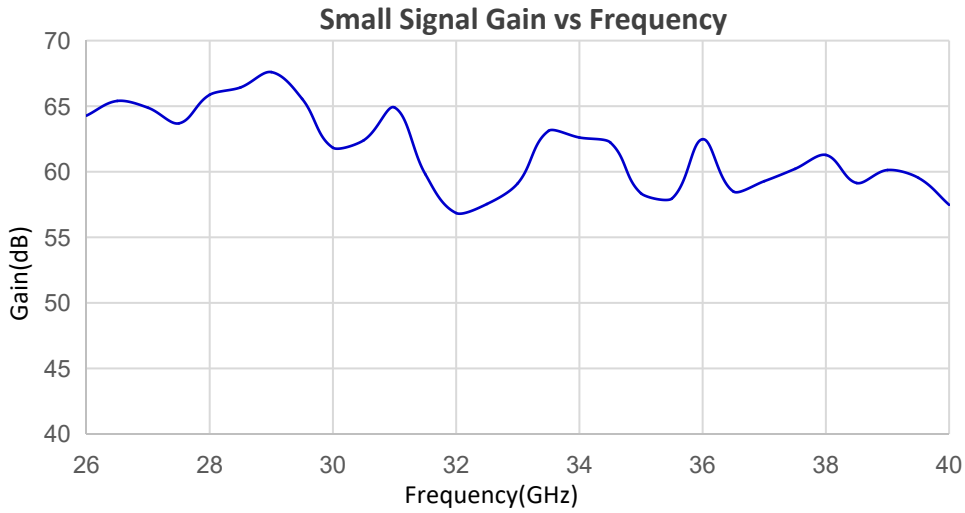
温度环境 Environmental Conditions:

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:

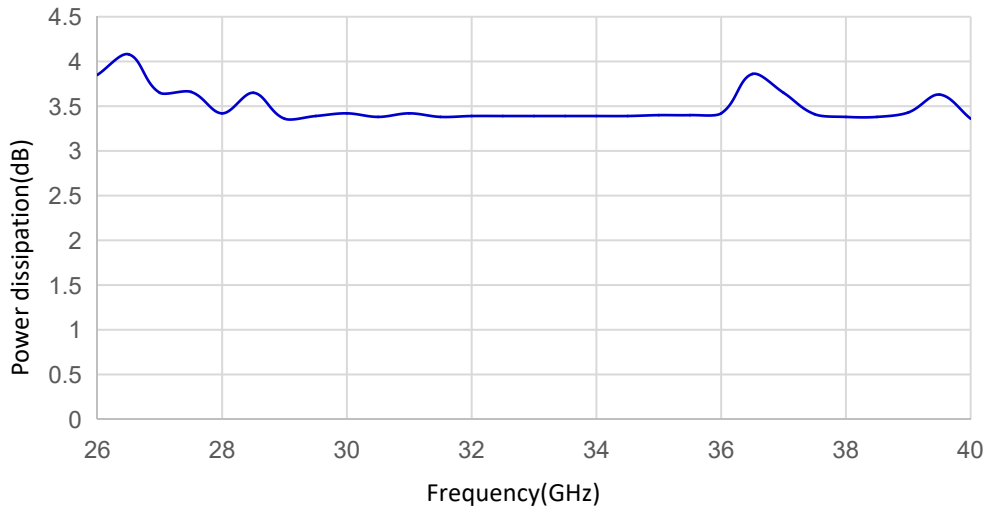
标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-53-53-BC	Solid State High Power Amplifier Systems, 26.5-40GHz,Gain:53dB,Psat:53dBm,380V AC	Rev.1.0

典型曲线 Typical Performance Data:



典型曲线 Typical Performance Data:

Power dissipation vs Frequency



Spurious vs Frequency

