

Model:TLPA12G20G-33-33-BC
**Solid State High Power Amplifier Systems
 12-20GHz,Gain:33dB,Psat:33dBm,220V AC**
Feature:

- Ultra Wide Band: 12-20GHz
- Gain: 33dB Min
- Psat Output Power:33dBm Min
- Protection:Over TEM,over voltage, over current ,over Input Power protection.
- 50 Ohm Matched Input / Output


电气特性 Electrical:

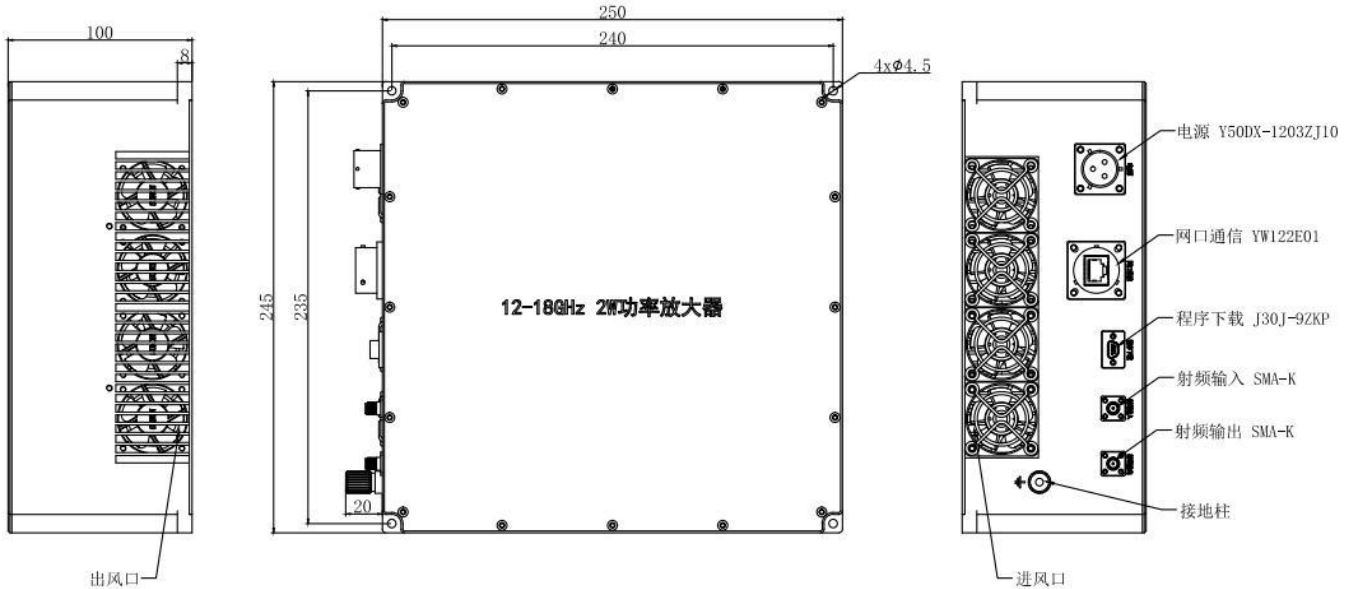
参数Parameter	代码Symbol	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	BW	12-20			GHz
增益 Gain	Gp	33			dB
线性增益调节范围/步进 Gain adjust range/step	Gadj		31.5/0.5		dB
饱和输出功率 Psat	Psat	33			dBm
输入功率 Input Power	Pin		0	10	dBm
杂散 Non-Harmonic Spurious	Spur	60			dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	220/50Hz			V AC
功耗 Power Consumptio	Pdiss			60	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	SMA Female	
输出接口 Output Connector	SMA Female	
DC加电接口 DC Power Interface	Y50X-1203	
通信接口Communication Interfaces	J30J-9ZKP	
尺寸 Size	/	
重量 Weight	7.5	Kg

外形尺寸 Outline Drawing:

Unit: mm



主要功能 Key Features:

参数 Parameter	特点 Advantages
控制 Control	LAN
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 Input Power
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:

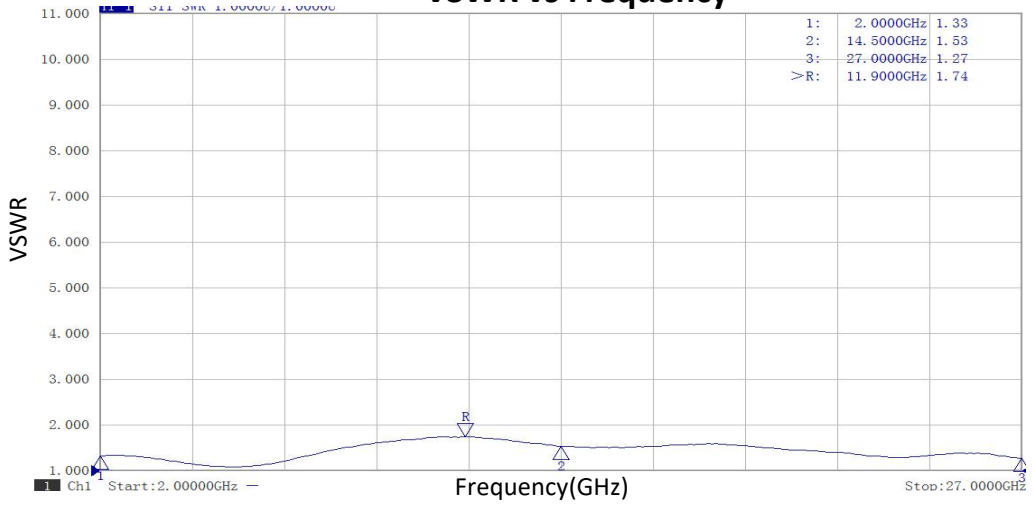
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-40		+60	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

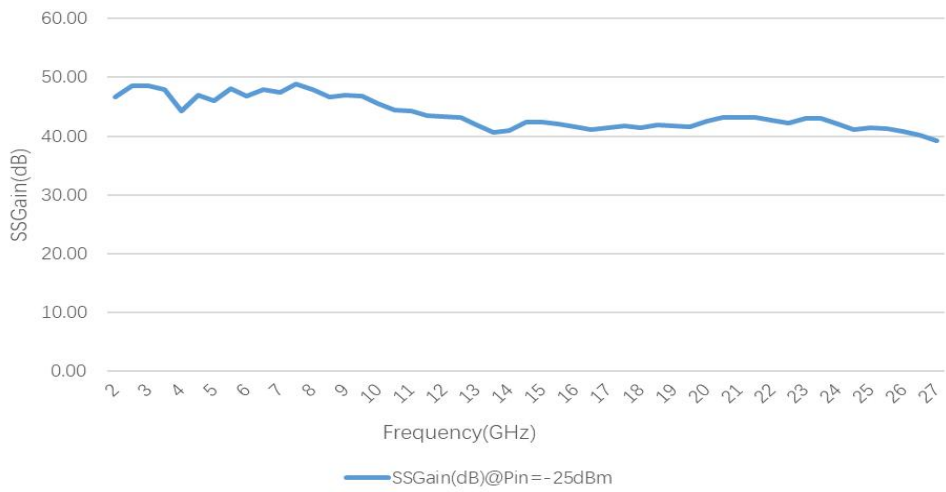
标准型号 Part Number	描述 Description	版本号Revision
TLPA12G20G-33-33-BC	Solid State High Power Amplifier Systems, 12-20GHz,Gain:33dB,Psat:33dBm,220V AC	Rev.1.0

典型曲线 Typical Performance Data:

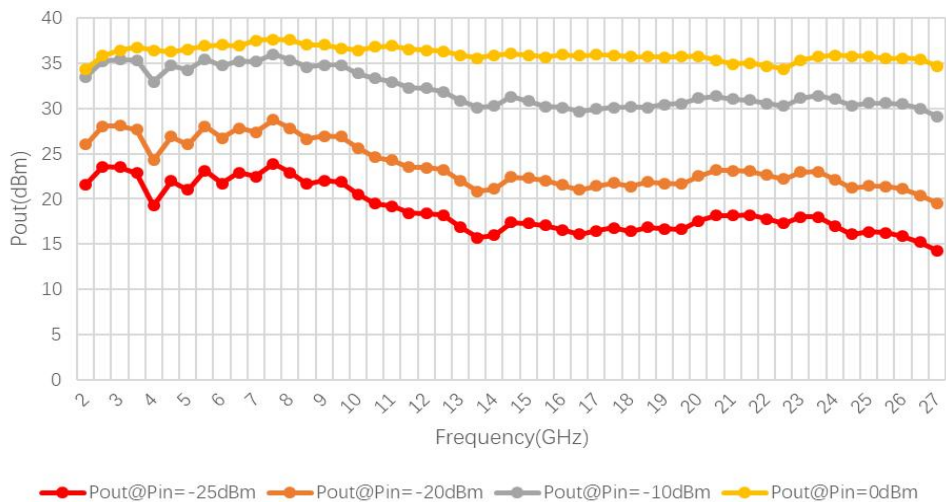
VSWR vs Frequency



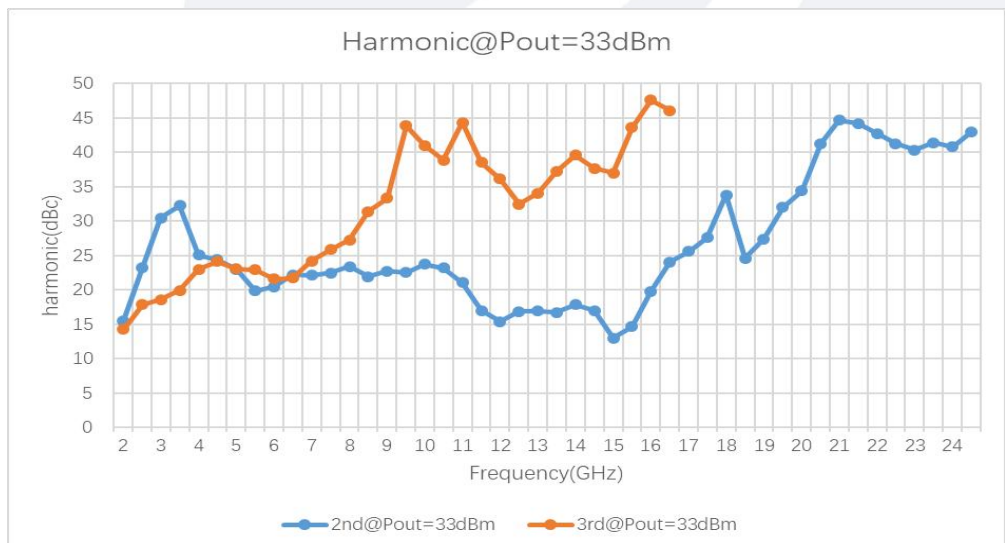
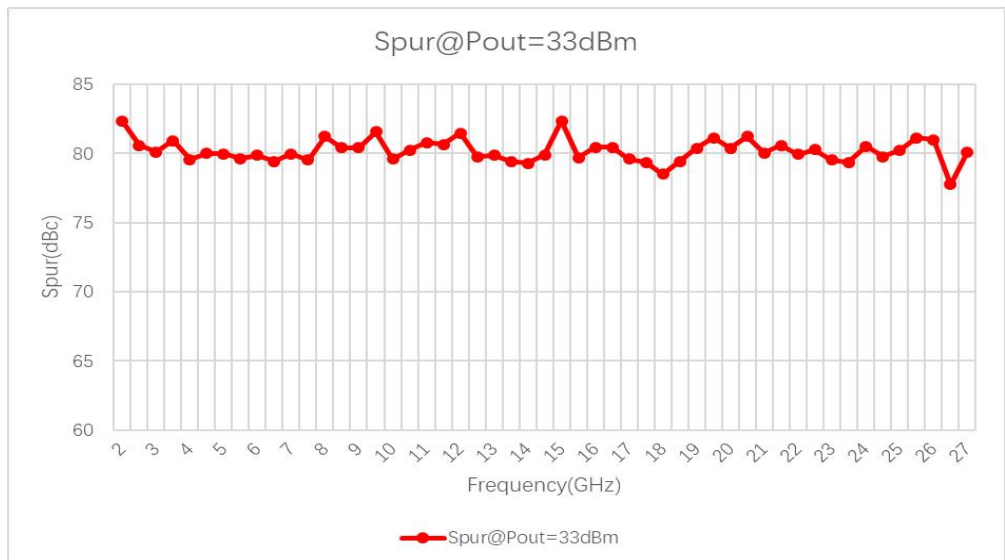
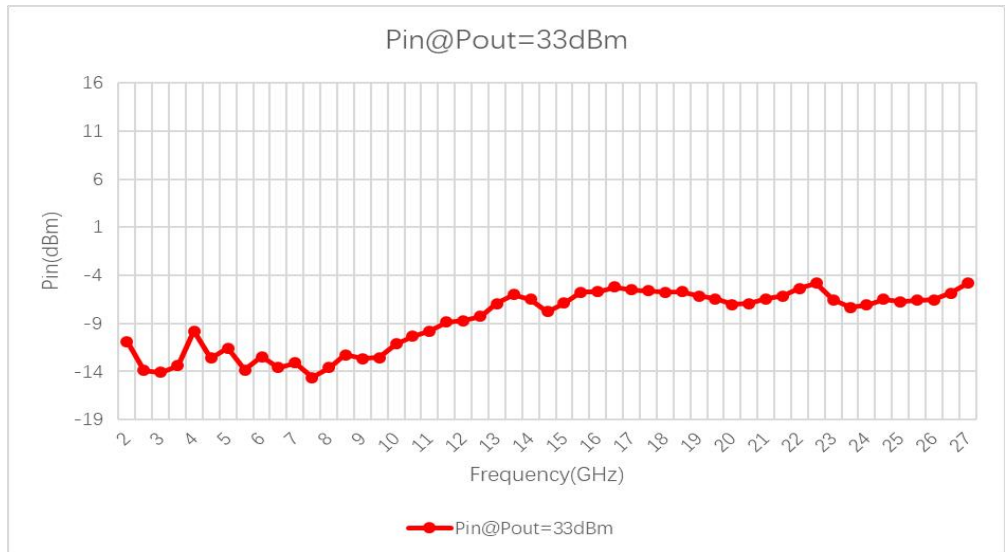
SSGain(dB)@Pin=-25dBm



Pout@Equal-Pin



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