

Model:TLPA7G11G-57-57-BC
**Solid State High Power Amplifier Systems
 7-11GHz,Gain:57dB,Psat:57 dBm,220V AC**
Feature:

- Wide Band: 7-11GHz
- 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 Specifications:

参数Parameter	代码 Symbo	Min	Typ	Max	单位Units
频率范围 Frequency range	BW	7-11			GHz
增益 Gain	GP	57			dB
增益平坦度 Gain flatness	Δ GL		± 4.5		dB
饱和输出功率 Output Psat	Psat	57			dBm
杂散 Spurious@Pout=57dBm	Spur			-60	dBc
谐波 Harmonics@Pout=57dBm	HAM			-40	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	200	220	240	V AC
功耗 Power Consumption	Pdiss	5500@Max			W
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

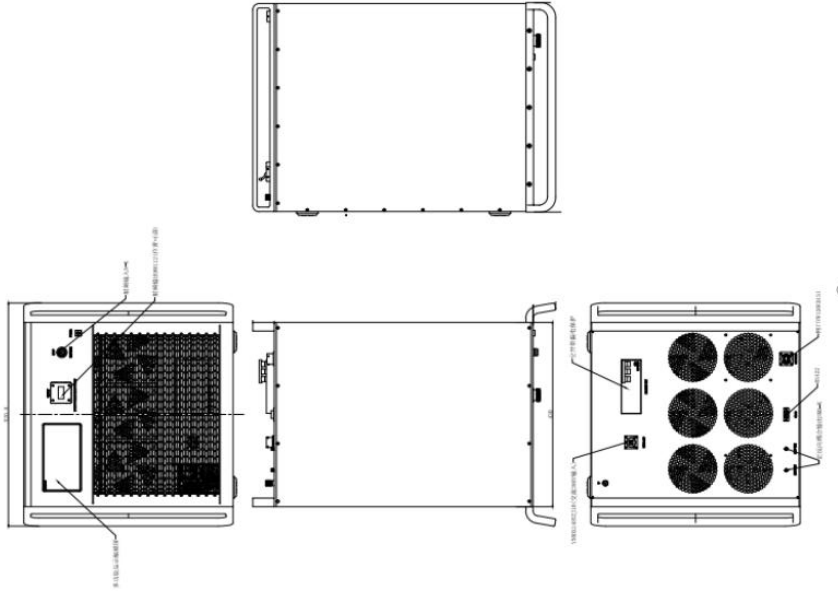
参数 Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	N Female/WR-112	
正向/反向耦合 Forward/Reversion Coupling	SMA Female/SMA Female	
通信端口 Communication Connector	DB9/RJ45	
液晶显示屏 Front Panel LCD Screen Display	7 inch LCD Screen Display	
尺寸 Size	12U*800 depth	mm
重量 Weight	≤ 70	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



主要功能 Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

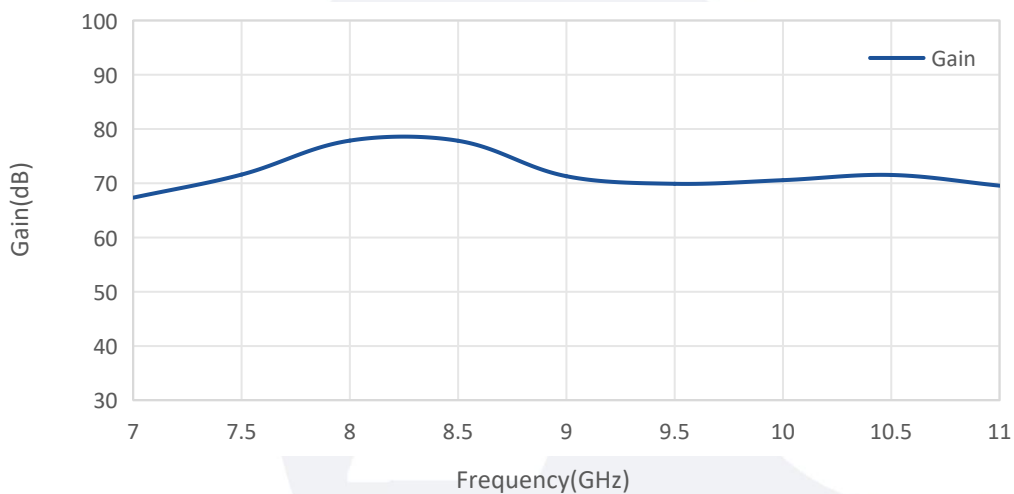
参数 Parameter	特点 Advantages
控制功能 Control functions	1, Power setting On/Off 2, RF control
内置保护功能 Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
控制 Control	RS422/Ethernet
冷却系统 Cooling system	Built in Cooling system, forced air cooling

温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	0		+40	°C
存储温度 Non-operating Temperature	-20		+55	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50000			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			

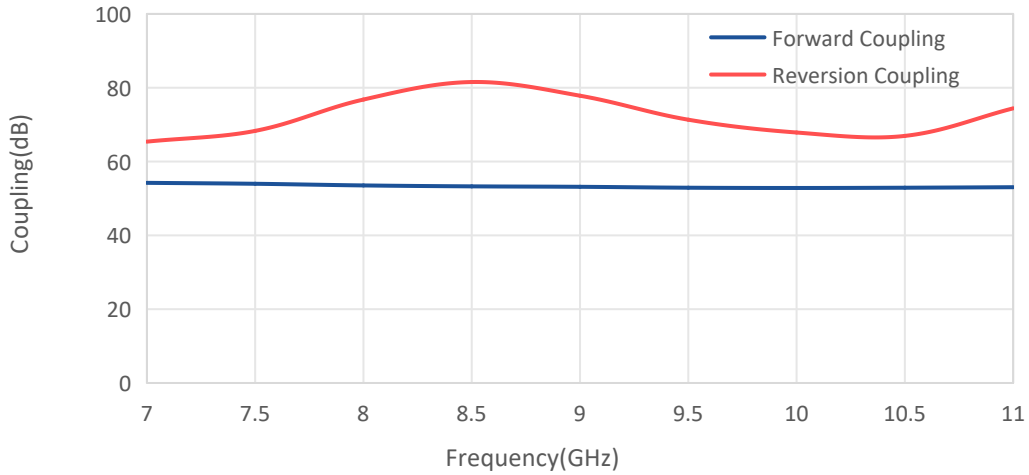
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPA7G11G-57-57-BC	Solid State High Power Amplifier Systems 7-11GHz,Gain:57dB,Psat:57 dBm,220V AC,Built in Fan Cooling	Rev.1.0

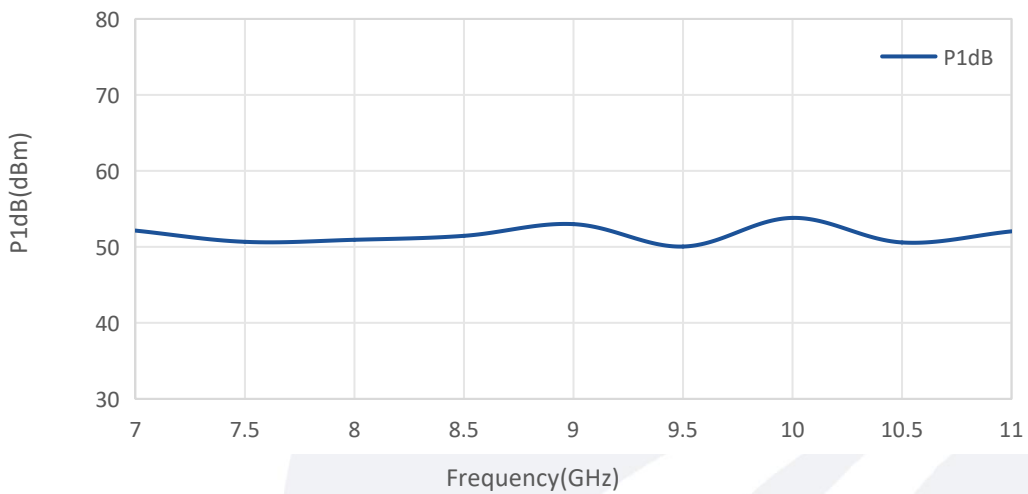
典型曲线 Typical Performance Data:
Gain vs Frequency


典型曲线 Typical Performance Data:

Coupling vs Frequency



P1dB vs Frequency



Spurious@Pout=57dBm

