

Model:TLPA2G6G-50-50-BC
**Solid State High Power Amplifier Systems
 2-6GHz,Gain:50dB,Psat:50dBm,+220V AC**
Feature:

- Wide Band: 2-6GHz
- Gain: 50dB Min
- Psat Output Power:50dBm 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 | 2-6 | | | GHz |
| 增益 Gain | GP | 50 | | | dB |
| 增益平坦度 Gain flatness | Δ GL | | ± 4.5 | | dB |
| 饱和输出功率 Output Psat | Psat | 50 | | | dBm |
| 线性输出功率 Output P1dB | P1dB | | 45 | | dBm |
| 杂散 Spurious@Pout=50dBm | Spur | | | -60 | dBc |
| 谐波 Harmonics@Pout=50dBm | HAM | | | -10 | dBc |
| 输入驻波 Input VSWR | VSWRin | | | 2.0 | :1 |
| 交流电压 AC Voltage | Vac | 220 | | | V AC |
| 交流功耗 AC Power Consumption | Pdiss | 1500@Max | | | Watts |
| 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/SMA Female | |
| 监控和控制接口 Monitor and control interface | RS422 / Ethernet | |
| 尺寸 Size | 19 Inch*4U*550 depth | mm |
| 重量 Weight | 25 | 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 |

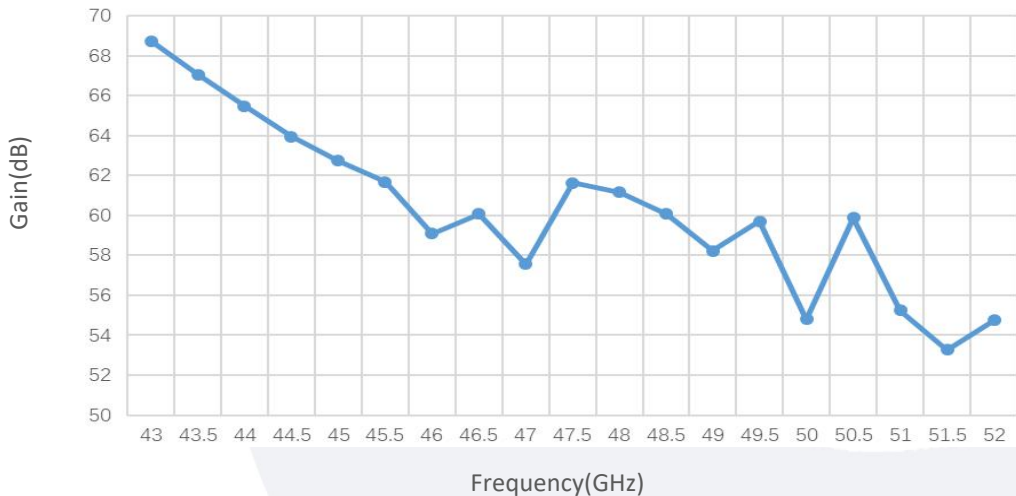
温度环境 Environmental Conditions:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|-------------------------------------|---|-----|-----|----------|
| 操作温度 Operating Temperature* | -20 | | +40 | °C |
| 存储温度 Non-operating Temperature* | -30 | | +50 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | 10000 | | | 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 | | | |

*Note: For a wider temperature range, please consult the manufacturer.

订货信息 Ordering Information:

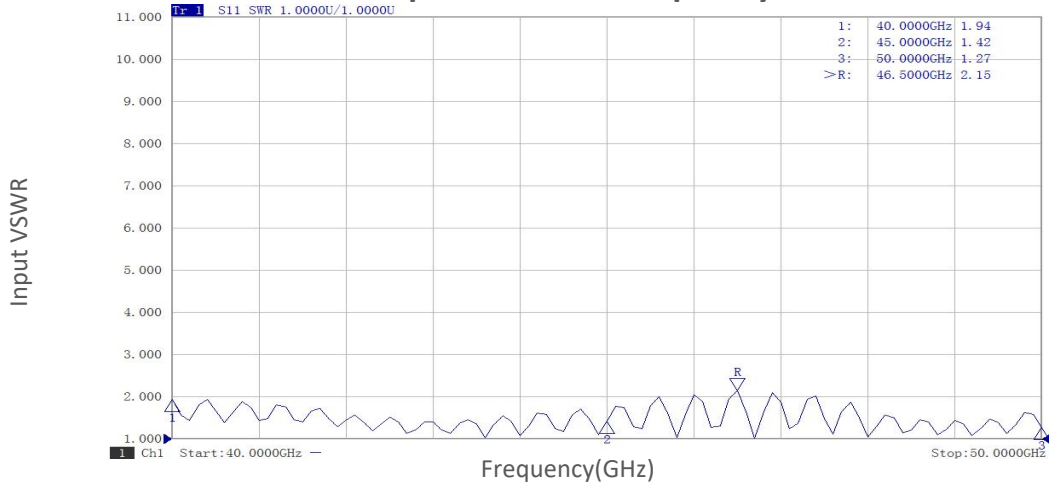
| 标准型号 Part Number | 描述 Description | 版本号 Revision |
|-------------------|---|--------------|
| TLPA2G6G-50-50-BC | Solid State High Power Amplifier Systems 2-6GHz,Gain:50dB,Psat:50dBm,220V AC,Built in Fan Cooling | Rev.1.0 |

典型曲线 Typical Performance Data:
Small Signal Gain vs Frequency


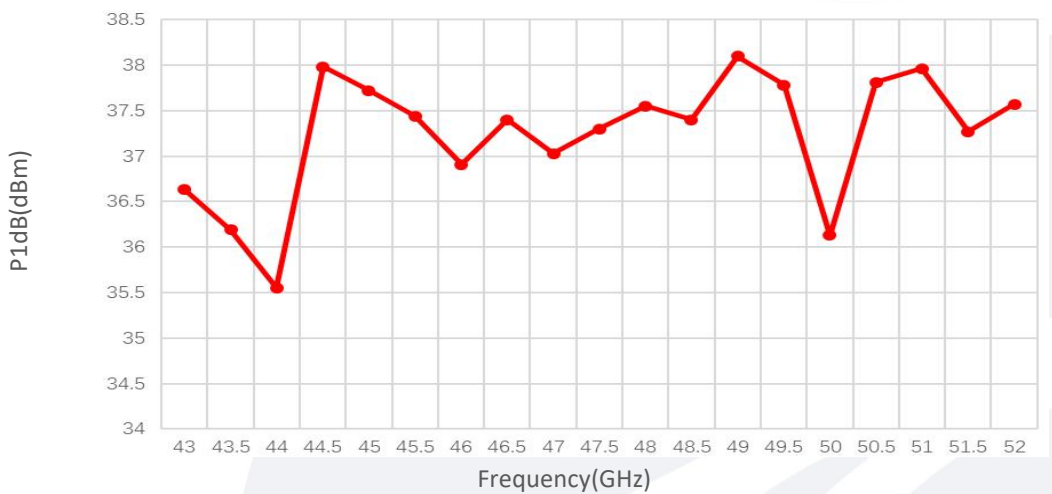
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

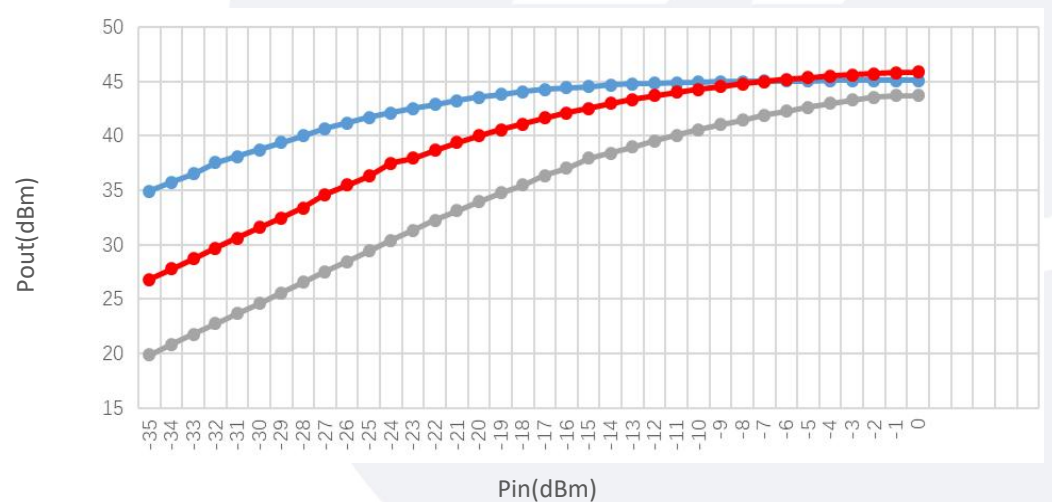
Input VSWR vs Frequency



P1dB vs Frequency



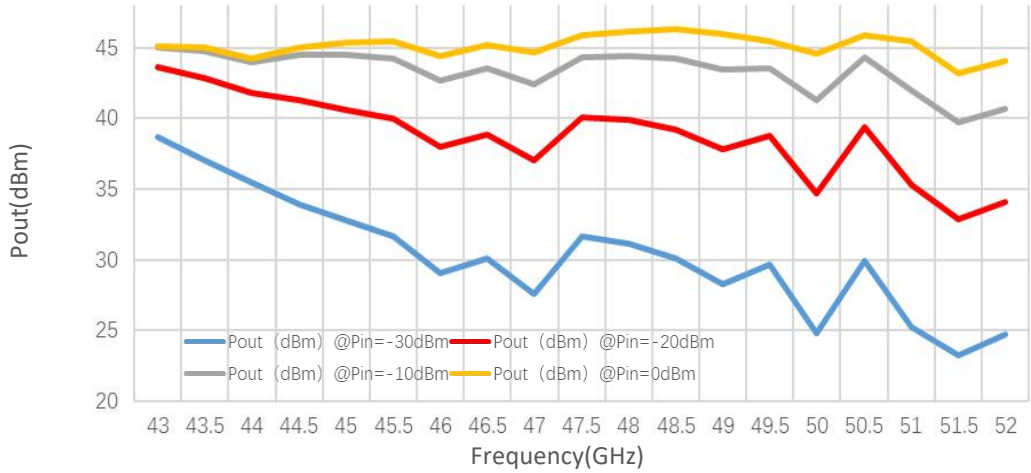
Pout@Pin



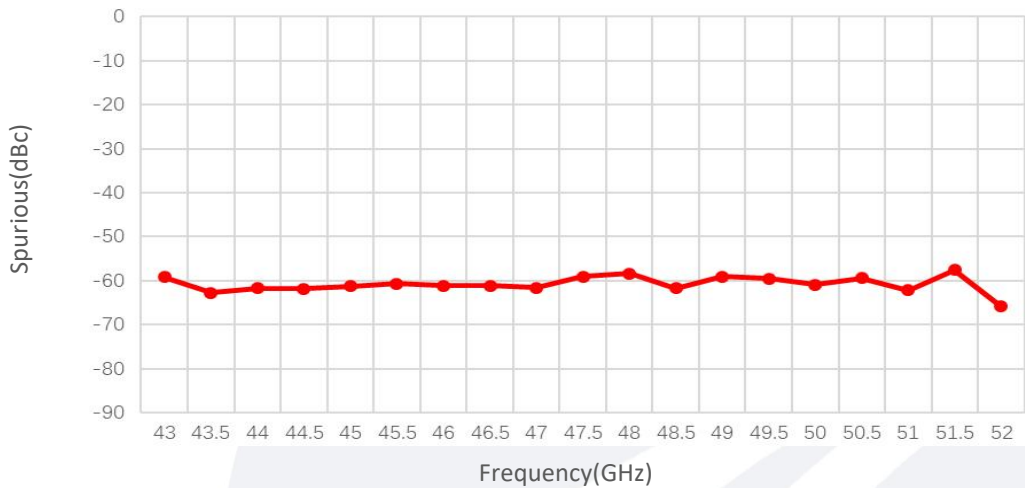
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

Pout@Equal_Pin



Spurious vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.