

Model: TLPA1G6G-57-57-BC
**Solid State High Power Amplifier Systems
 1-6GHz, Gain: 57dB, Psat: 57dBm, 380V AC**
Feature :

- Ultra Wide Band: 1-6 GHz
- Gain: 57 dB Min
- Psat Output Power: 57 dBm Min
- Protection: Over TEM, over voltage, over current protection.
- 50 Ohm Matched Input / Output


电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	1-6			GHz
增益 Power Gain	57			dB
增益平坦度 Gain flatness *equalized			±3*	dB
增益调节范围 Gain adjustment range		30		dB
增益调节步进 Gain adjustment step		0.5		dB
线性输出功率 P1dB		52		dBm
饱和输出功率 Psat	57			dBm
杂散 Non-Harmonic Spurious	60			dBc
谐波 Harmonics @ Pout=500W	10	15		dBc
输入驻波 Input VSWR			2.0	:1
输入功率 Input Power		0	10	dBm
交流电压 AC Voltage		380		V AC
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

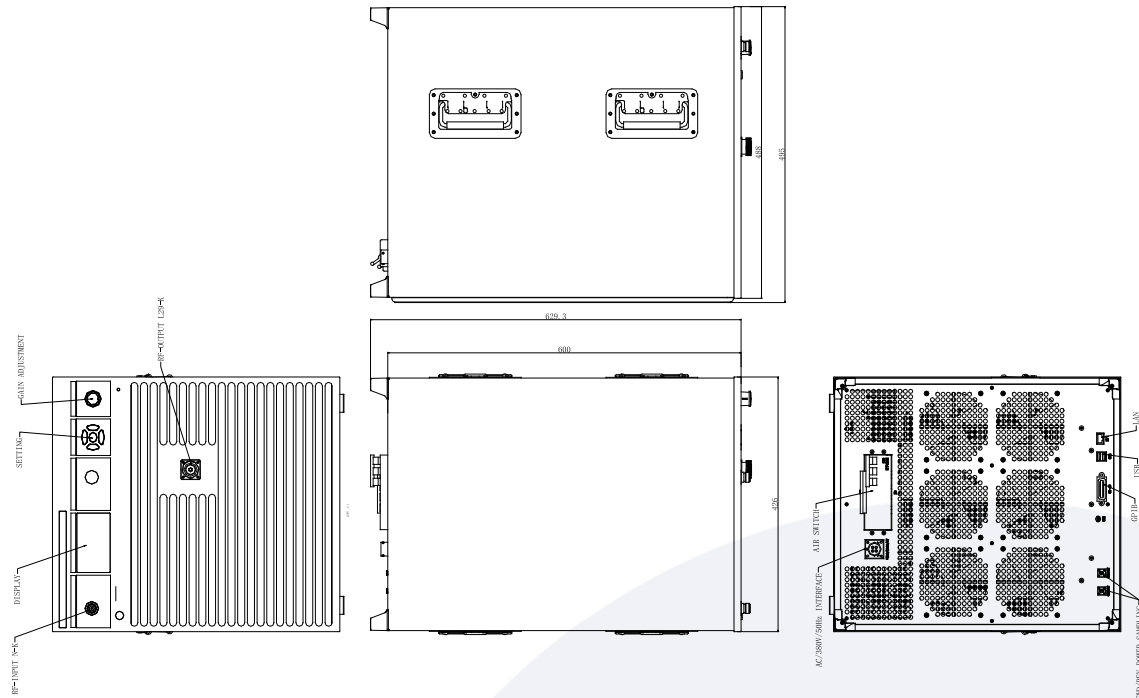
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	N-K /L29-K	
尺寸 Size	11	U
重量 Weight	85	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	380V AC
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



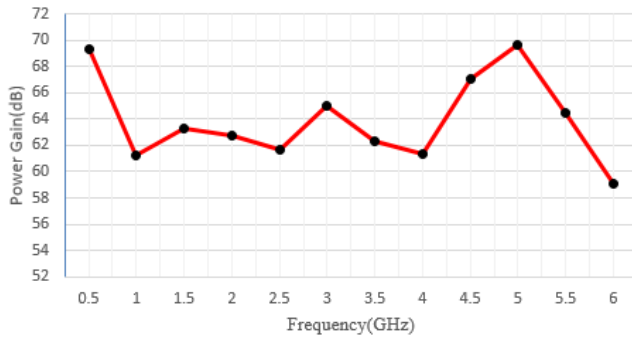
温度环境 Environmental Conditions:

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		+50	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		10000		feet
震动 Shock / Vibration(MIL-STD-810F)		Shock Method 516.5		
冲击 Shock(non operating)		Vibration Method 514.5		

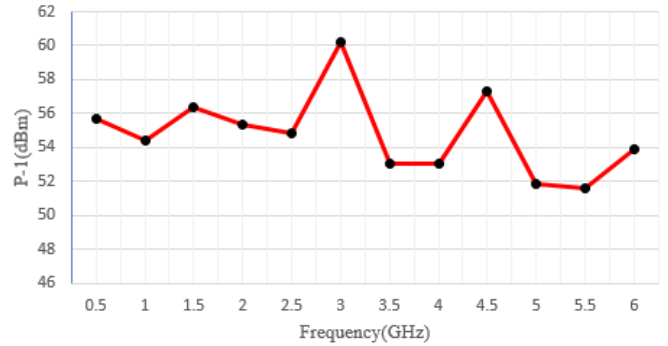
订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPA1G6G-57-57-BC	Solid State High Power Amplifier Systems, 1-6GHz, Gain:57dB, Psat:57dBm, 380V AC Protection: Over TEM, over voltage, over current protection.	Rev.1.1

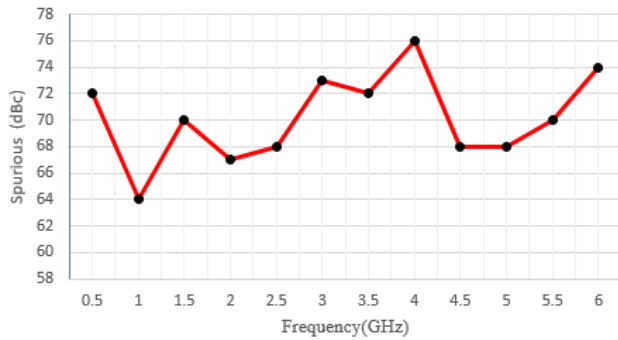
Power Gain@Pout=57±0.1dBm



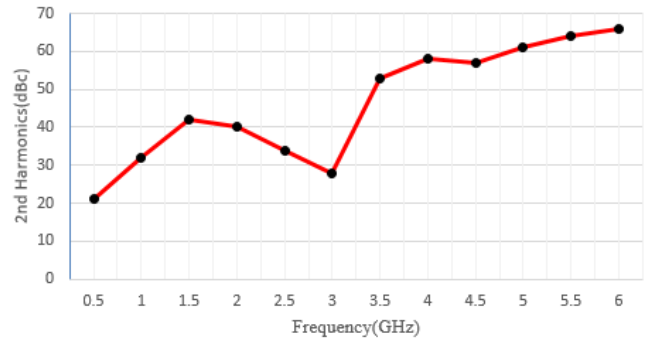
1dB Compression Point(dBm)



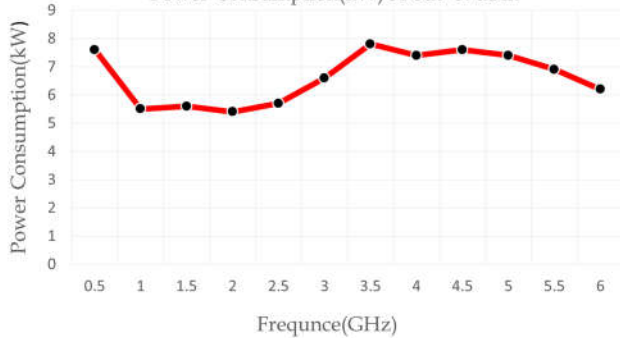
Spurious Suppression(dBc)



2nd Harmonics Suppression(dBc)@Pout=57dBm



Power Consumption(kW)@Pout=57dBm



Input VSWR

