泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
www.talentmw.com

Model:TLPA0.5G6G-57-57-BC

Solid State High Power Amplifier Systems 0.5-6GHz,Gain:57dB,Psat:57 dBm,380V AC

Feature:

- Wide Band: 0.5-6GHz
- 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	0.5-6			GHz
增益 Gain	GP	57			dB
增益平坦度 Gain flatness	ΔGL		±3		dB
饱和输出功率 Output Psat	Psat	57			dBm
增益可调范围 Gain adjust range	ΔGR		30		dB
增益可调步进 Gain adjust step	ΔGS		0.5		dB
杂散 Spurious	Spur			-60	dBc
谐波 Harmonics	HAM		-15	-10	dBc
输入驻波 Input VSWR	VSWRin			2.0	:1
交流电压 AC Voltage	Vac	380			V AC
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位Units
输入接口 Input Connector	N Female	
输出接口 Output Connector	7/16 DIN Female	
程控接口 Programmable Interfaces	RS422/LAN/GPIB/USB	
尺寸 Size	19 Inch 11U*800 depth	mm
重量 Weight	30	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

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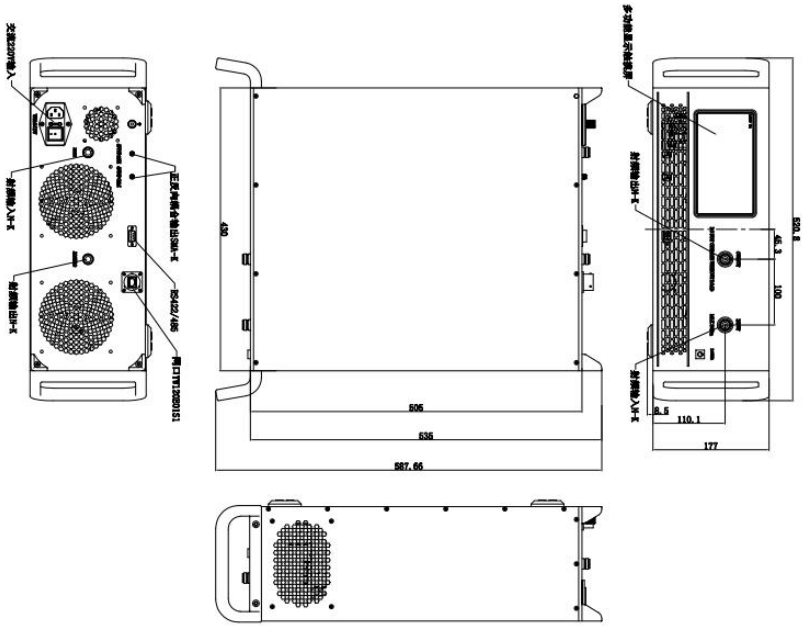
外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

主要功能 Kye Features:

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

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温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-20		+50	℃
存储温度 Non-operating Temperature	-45		+65	℃
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
TLPA0.5G6G-57-57-BC	Solid State High Power Amplifier Systems 0.5-6GHz,Gain:57dB,Psat:57 dBm,380V AC,Built in Fan Cooling	Rev.1.0

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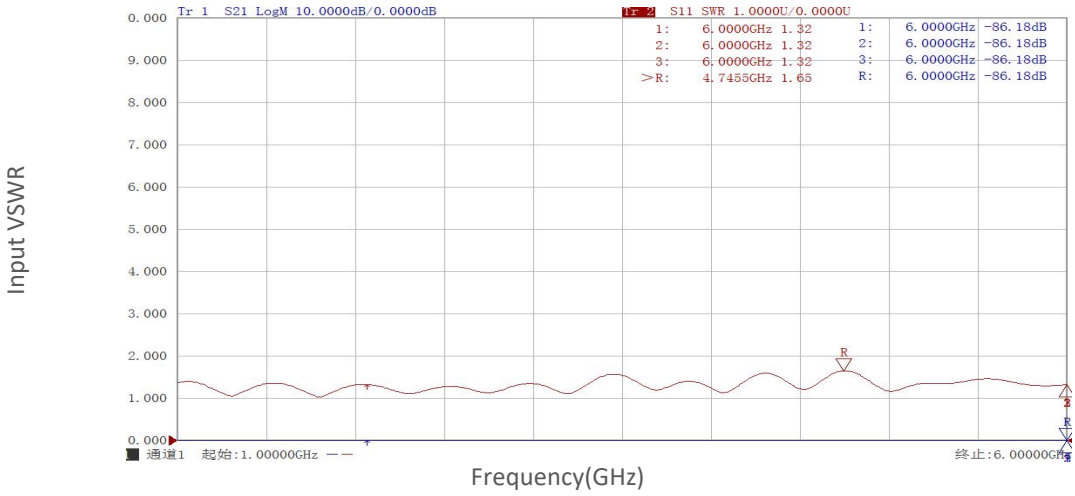
典型曲线 Typical Performance Data:

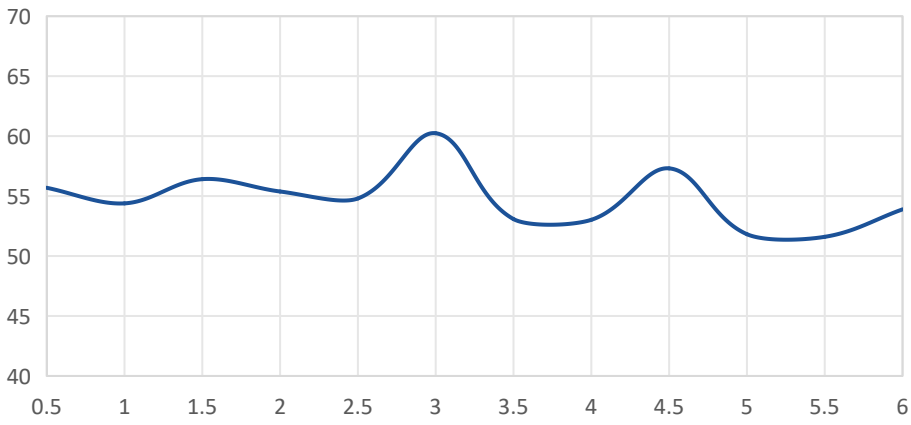
Input VSWR vs Frequency



Input VSWR

Frequency(GHz)

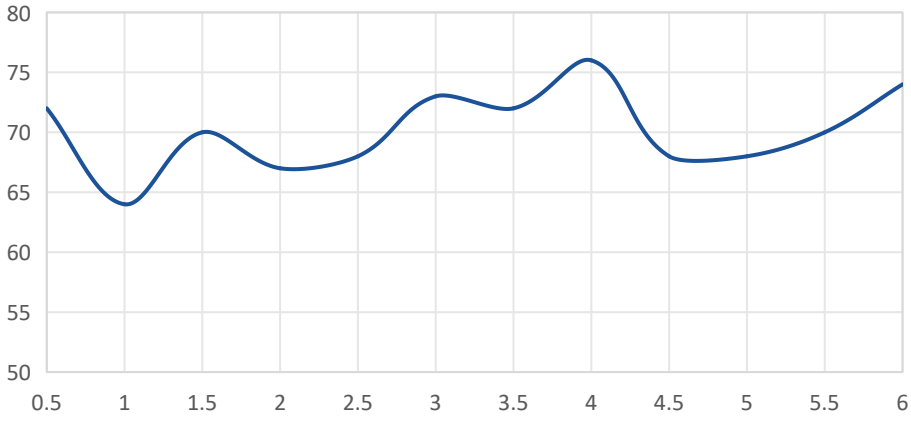
P1dB vs Frequency



P1dB(dBm)

Frequency(GHz)

Spurious vs Frequency



Spurious(dBc)

Frequency(GHz)

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