泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
+86-0512-62657975
sales@talentmw.com
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Model:TLPA0.7G6G-53-53-BC

Solid State High Power Amplifier Systems 0.7-6GHz,Gain:53dB,Psat:53dBm,220V AC

Feature:

- Wide Band: 0.7-6GHz
- Gain: 53dB Min
- Psat Output Power:53dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	0.7-6			GHz
Small Signal Gain	GP	53			dB
Gain flatness	ΔGL		±3.5		dB
Output Psat	Psat	53	54		dBm
Spurious@Pout=54dBm	Spur			-60	dBc
Harmonics@Pout=54dBm	HAM			-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
AC Power Consumption	Pdiss	3600@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Network port Comunication	RJ-45	
Size	5U*550mm depth	
Weight	40	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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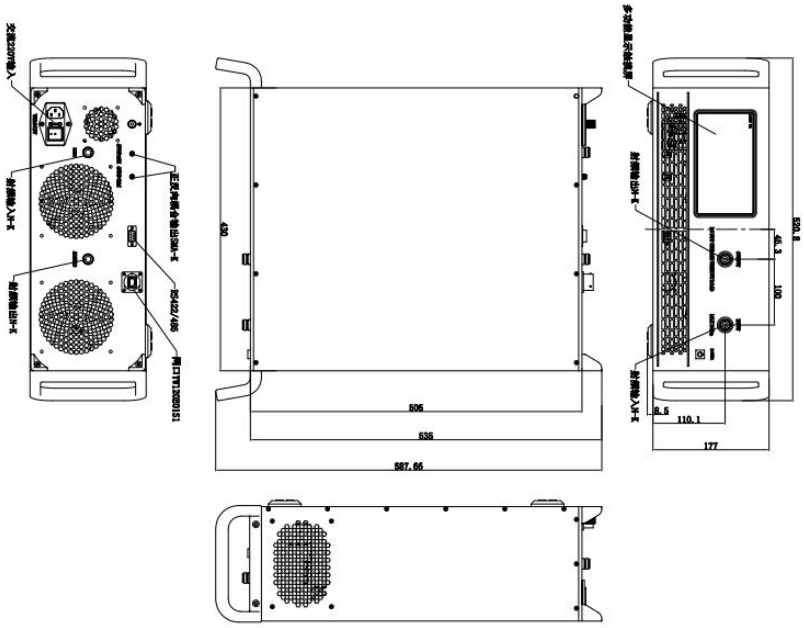
Outline Drawing:

Unit: mm



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DEVICES

Kye Features:

Parameter	Advantages
Remote control	RS422/Ethernet
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1,Power setting On/Off 2,ALC automatic level control
Cooling system	Built in Cooling system,forced air cooling

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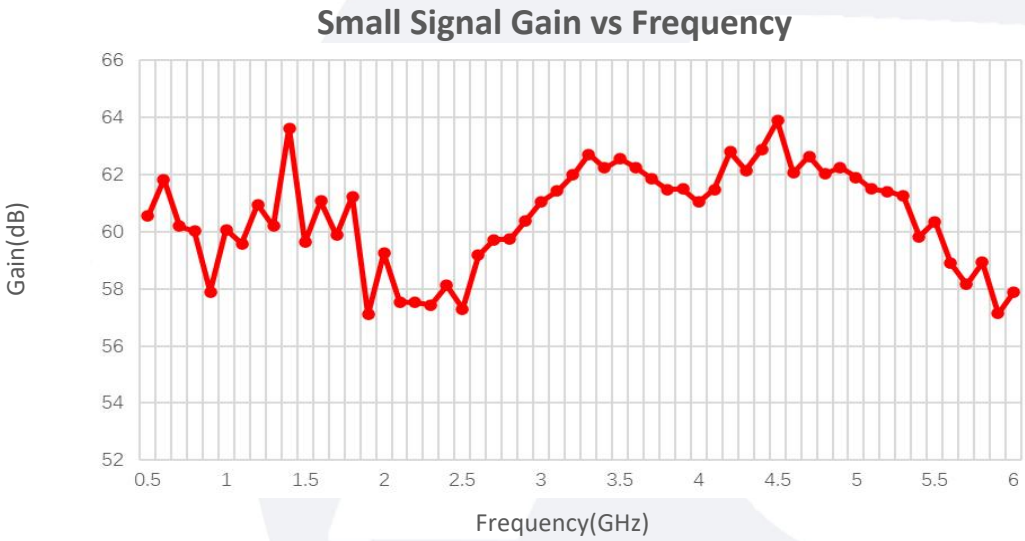
Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	℃
Non-operating Temperature	-40		+85	℃
Relative humidity		95		%
Altitude	15000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA0.7G6G-53-53-BC	Solid State High Power Amplifier Systems 0.7-6GHz,Gain:53dB,Psat:53dBm,220V AC,Built in Fan Cooling	Rev.1.0

Typical Performance Data:



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.

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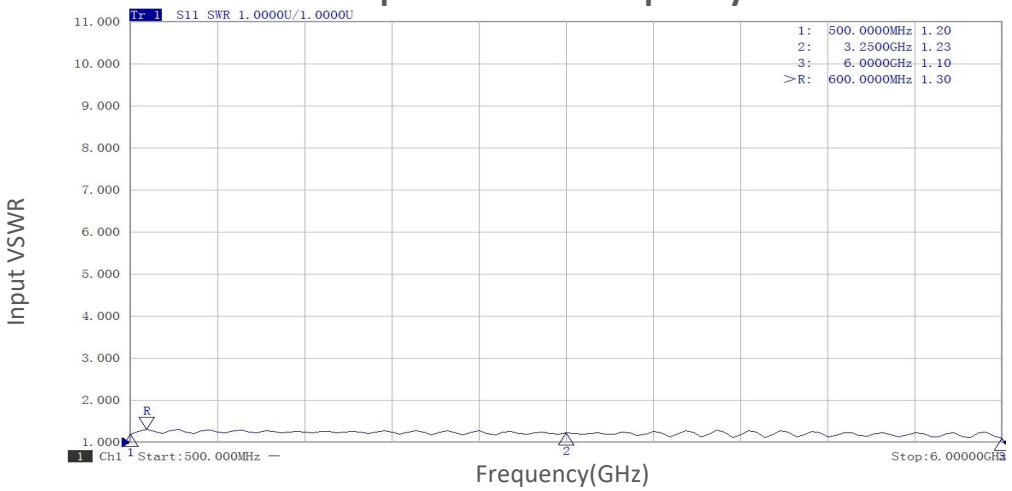
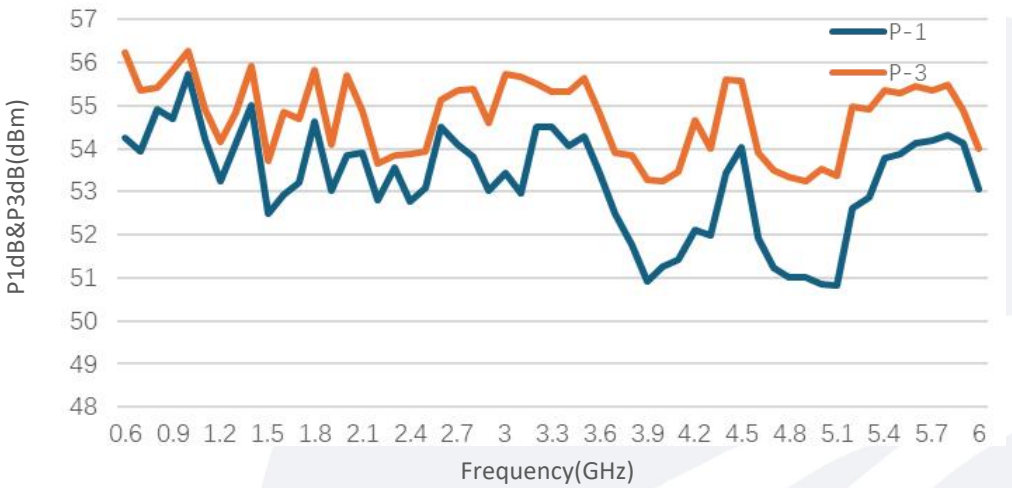
Typical Performance Data:

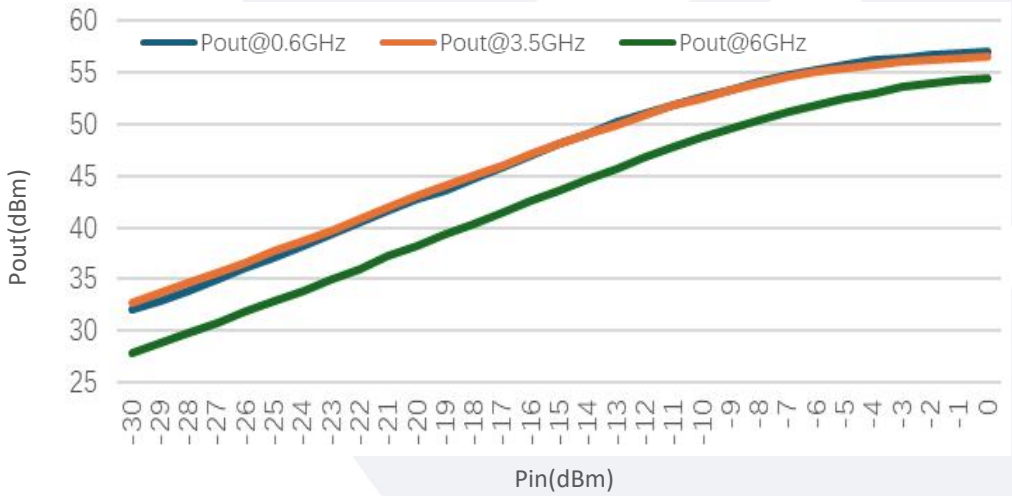
Input VSWR vs Frequency



P1dB&P3dB vs Frequency



Pout@Pin



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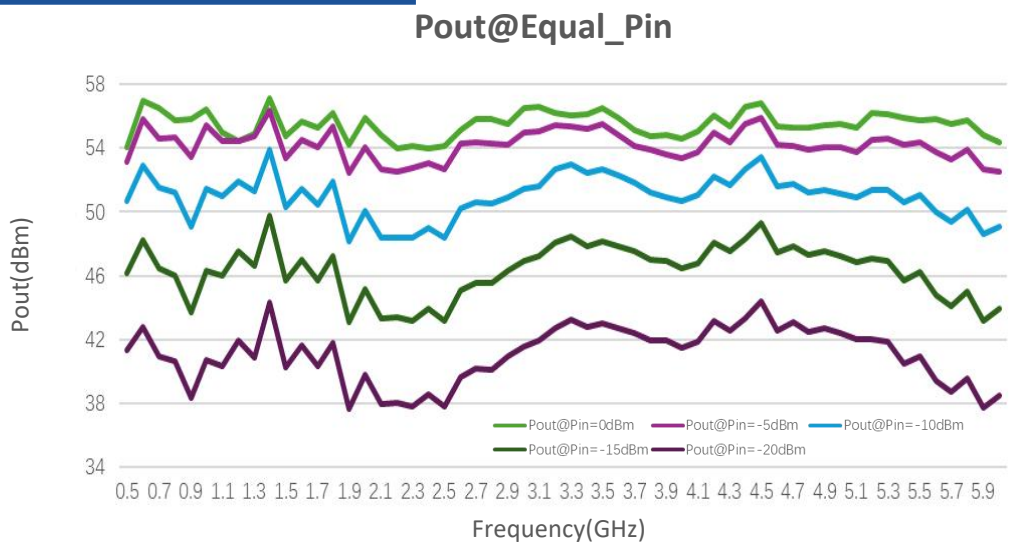

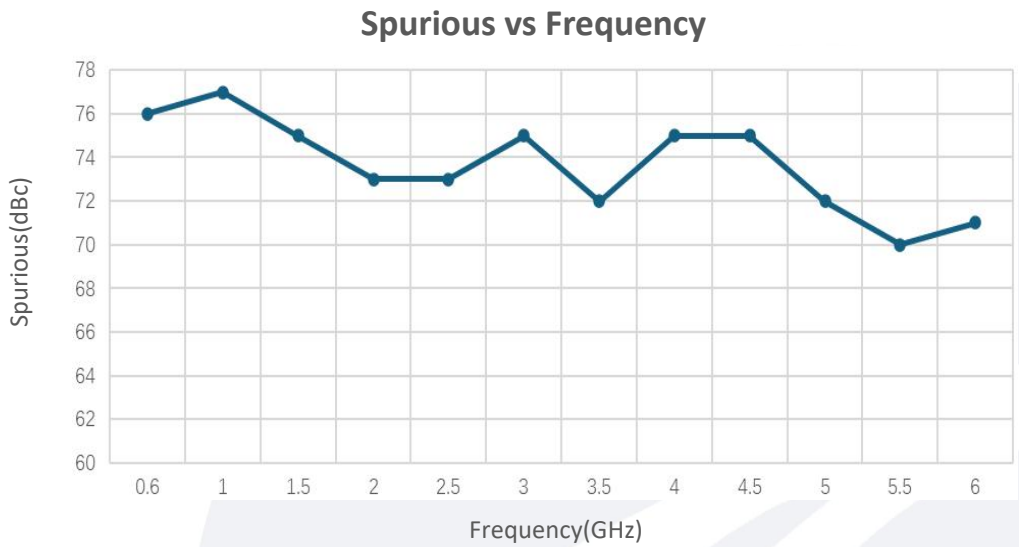

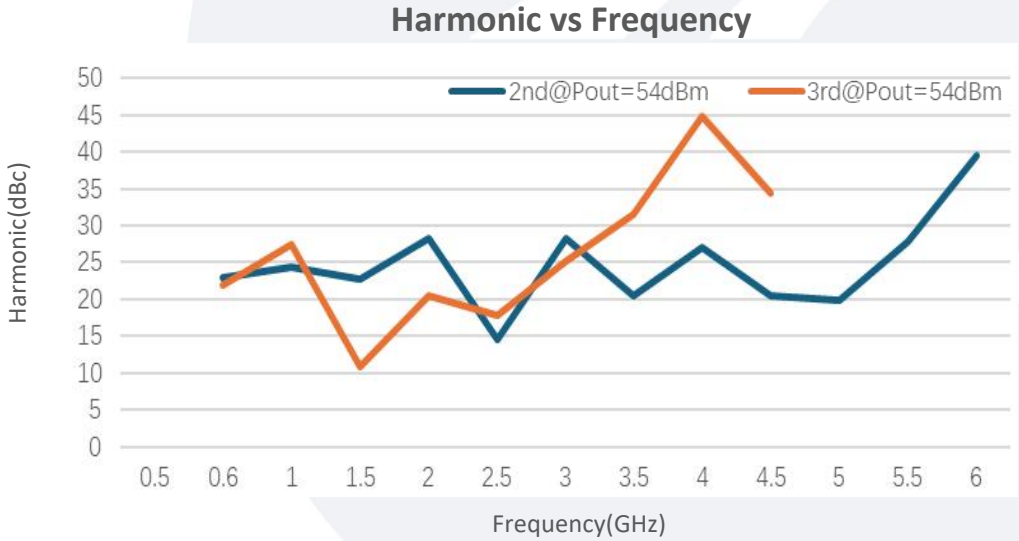

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