泰莱微波
Talent Microwave

Suzhou Talent Microwave,Inc
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Model:TLPA18G40G-43-43-BC

Solid State High Power Amplifier Systems 18-40GHz,Gain:43dB,Psat:43dBm,220V AC

Feature:

- Wide Band: 18-40GHz
- Gain: 43dB Min
- Psat Output Power:43dBm Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	18-40			GHz
Gain	GP	43			dB
Output Psat	Psat	43			dBm
ALC Accuracy	ALC			±0.5	dB
Spurious	Spur			-50	dBc
Harmonics	HAM			-15	dBc
Input VSWR	VSWRin			2	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	400(Max)			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	2.92 Female/2.92 Female	
AC Power Interface	Air switch	
Size	19 Inch 3U	mm
Weight	30	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	220V AC
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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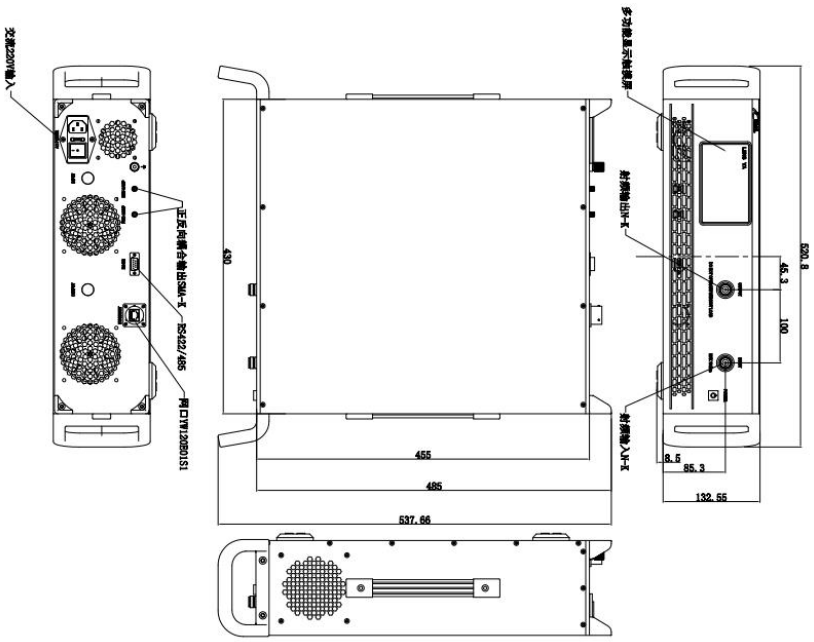
Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Kye Features:

Parameter	Advantages
Control	RS422/LAN, LCD Screen Display
Protection functions	1,Over TEM 2,Over voltage 3,Over current 4,Over VSWR
Control functions	1, Power On/Off 2,RF On/Off 3,Gain Adjustment
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	-45		+65	℃
Relative humidity		95		%
Altitude	10000			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
TLPA18G40G-43-43-BC	Solid State High Power Amplifier Systems 18-40GHz,Gain:43dB,Psat:43dBm,220V AC,Built in Fan Cooling	Rev.1.0

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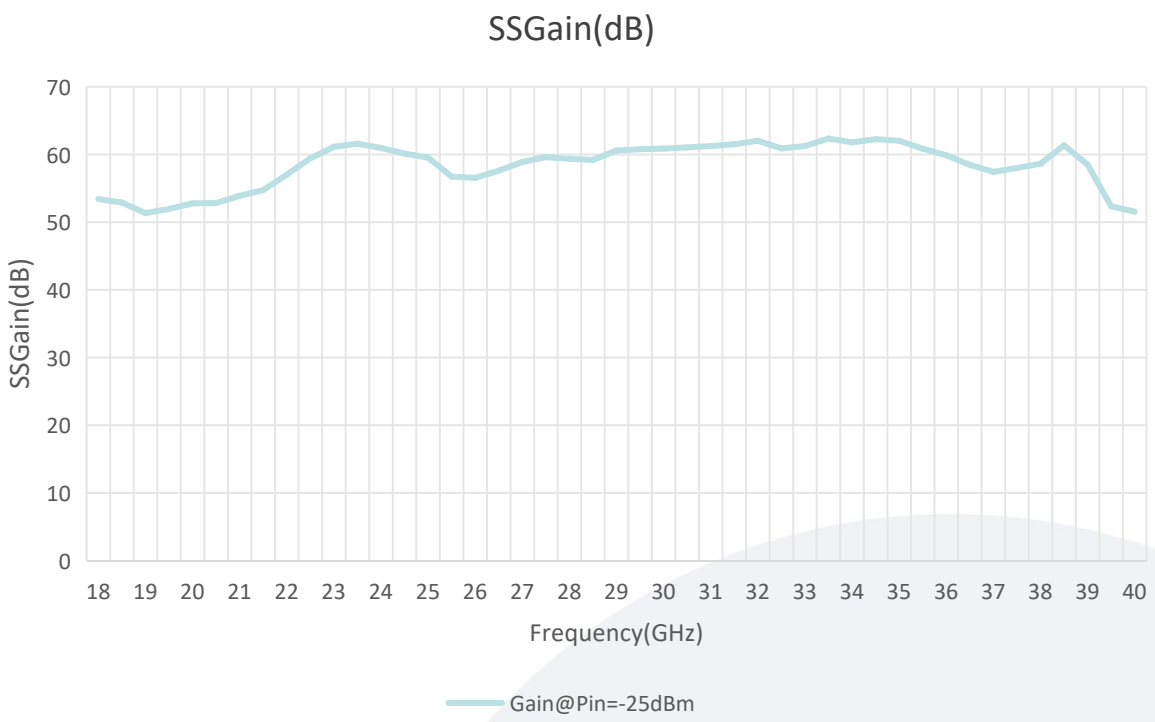
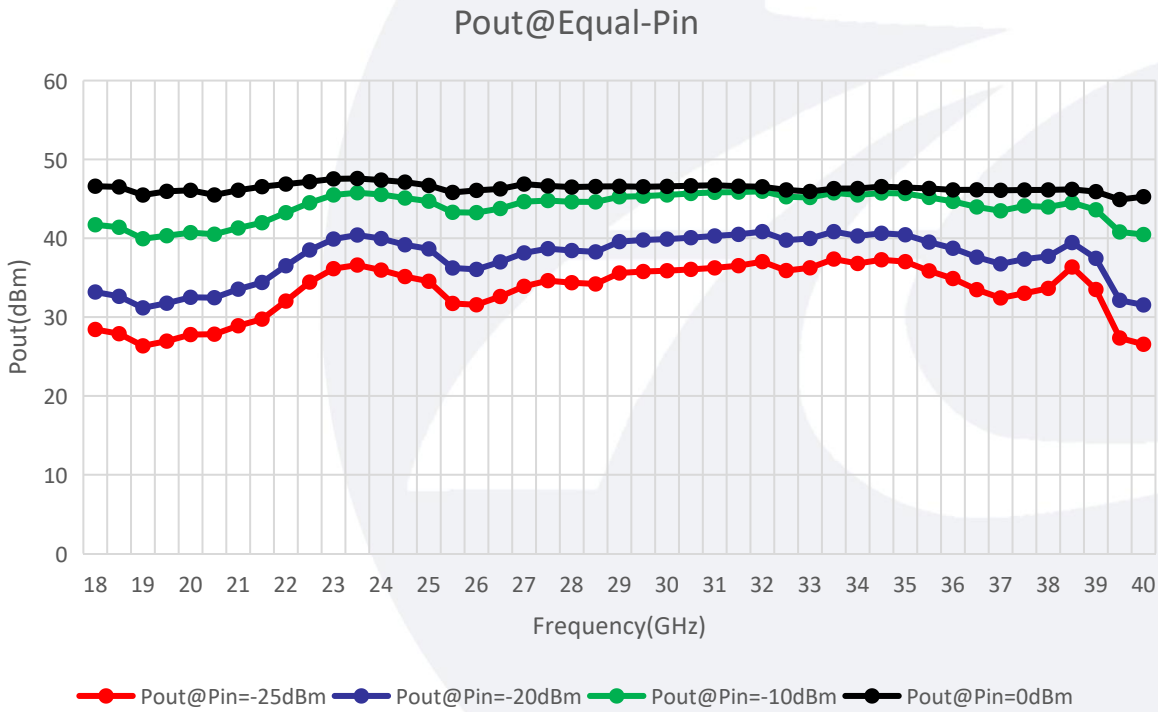
Measured data:

1. Gain



2. Output Power



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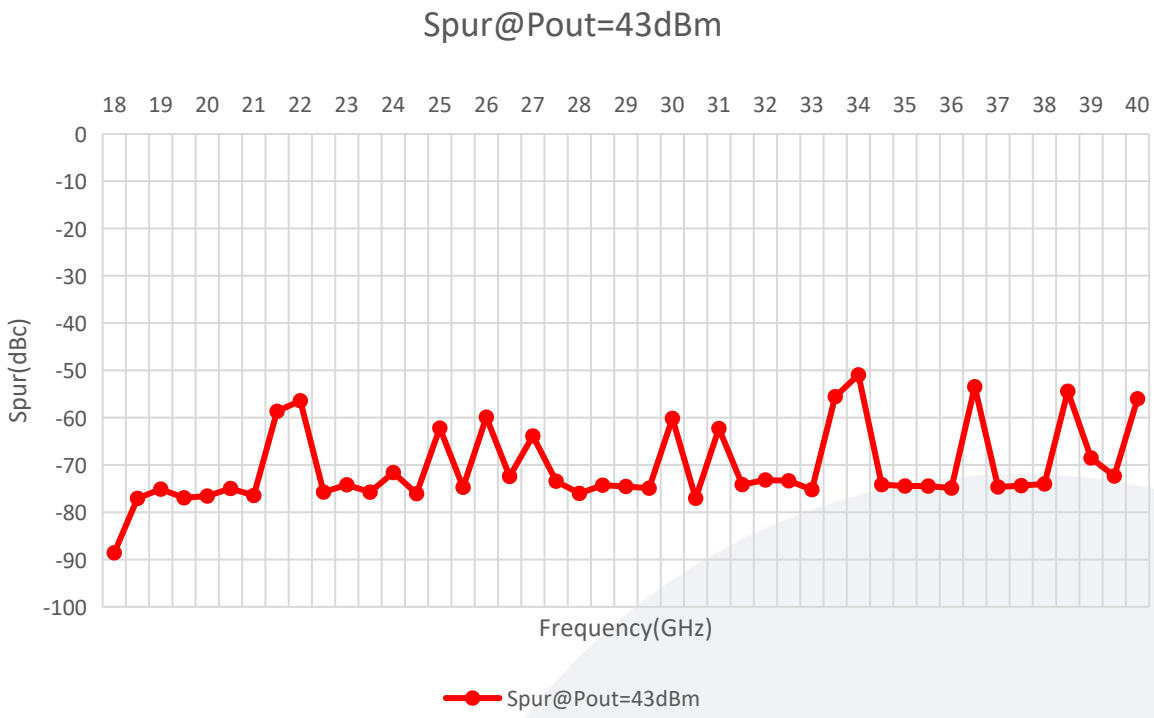
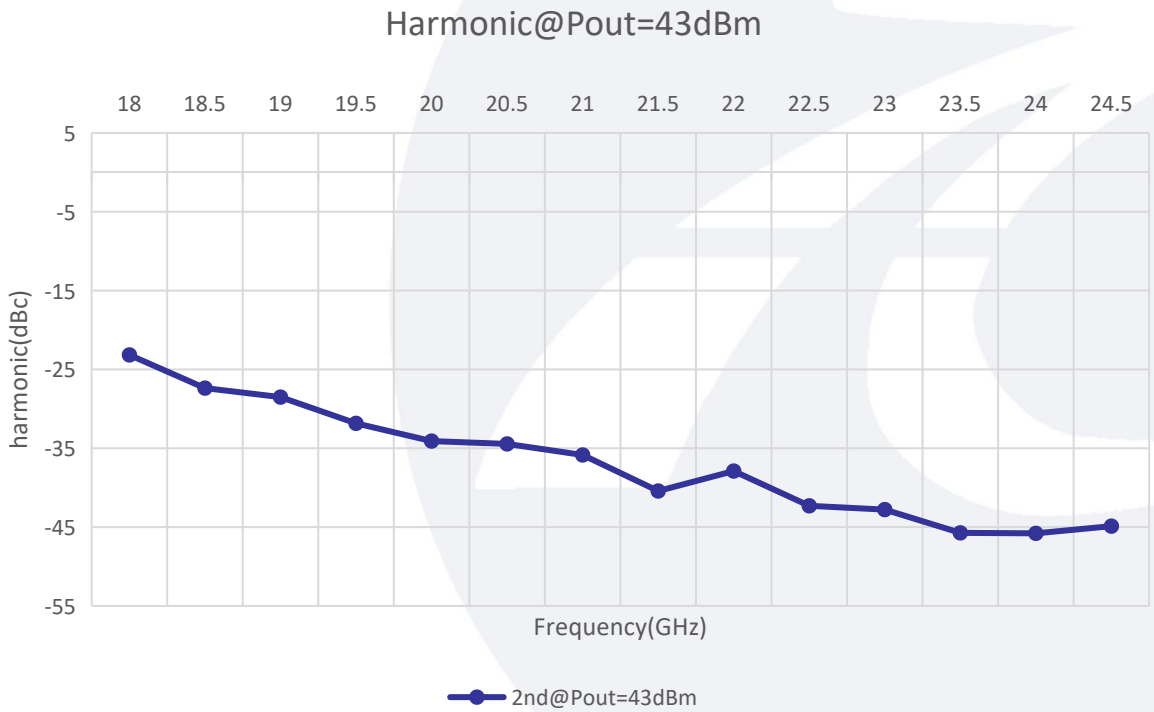
实测数据 Measured data:

3. Spurious



4. Harmonic



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实测数据 Measured data:

5. Power Dissipation