泰莱微波
Talent Microwave

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Model:TLPA27G32G-53-53-BC

Solid State High Power Amplifier Systems 27-32GHz,Gain:53dB,Psat:53 dBm,220V AC

Feature:

- Wide Band: 27-32GHz
- 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	27-32			GHz
Gain	GP	53			dB
Gain flatness	ΔGL		±3		dB
Output Psat	Psat	53			dBm
Spurious@Pout=53dBm	Spur			-55	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	3000@Max			W
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92mm Female/WR-28	
Forward/Reverse Coupling	2.92mm Female/2.92mm Female	
Size	19 Inch 5U*550	mm
Weight	≤45	Kg

Absolute Maximum Ratings:

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

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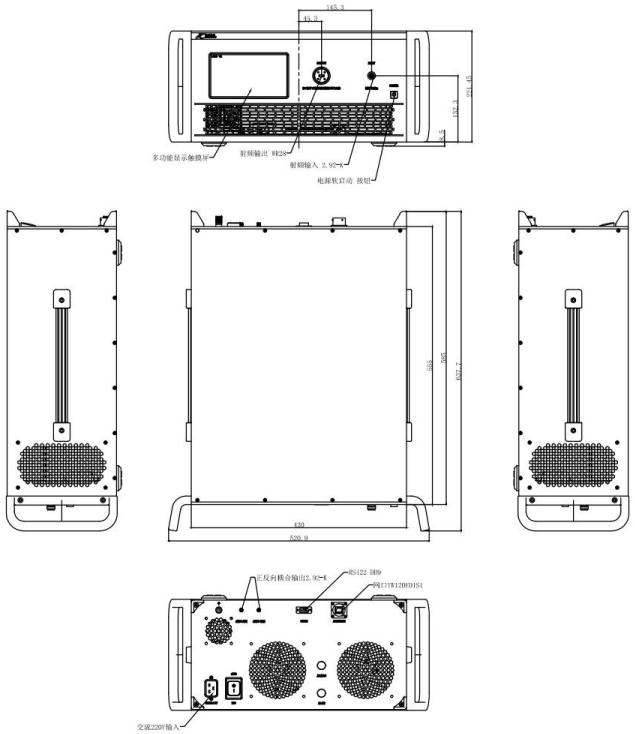
Outline Drawing:

Unit: mm



Kye Features:

Parameter	Advantages
Control functions	1, Power setting On/Off
Display functions	Displays the current output power, reflected power, and fault information.
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Remote control	RS422/Ethernet
Cooling system	Built in Cooling system,forced air cooling

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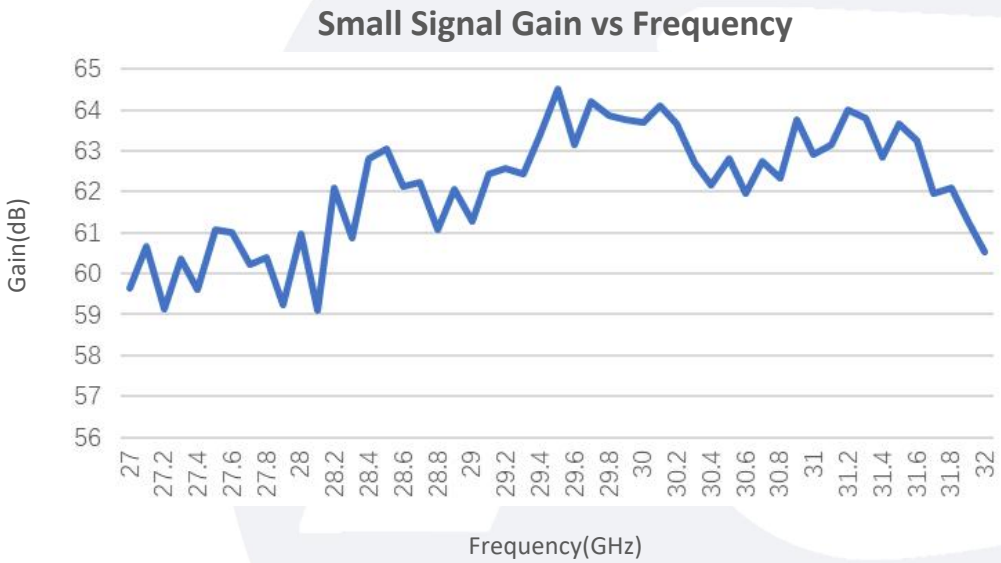
Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	℃
Non-operating Temperature	-45		+65	℃
Relative humidity		95		%
Altitude	50000			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
TLPA27G32G-53-53-BC	Solid State High Power Amplifier Systems 27-32GHz,Gain:53dB,Psat:53 dBm,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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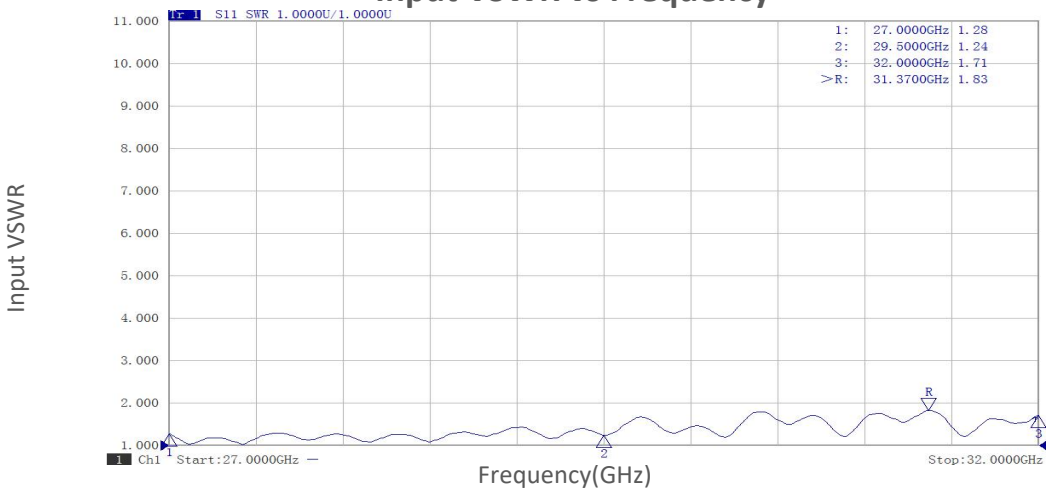
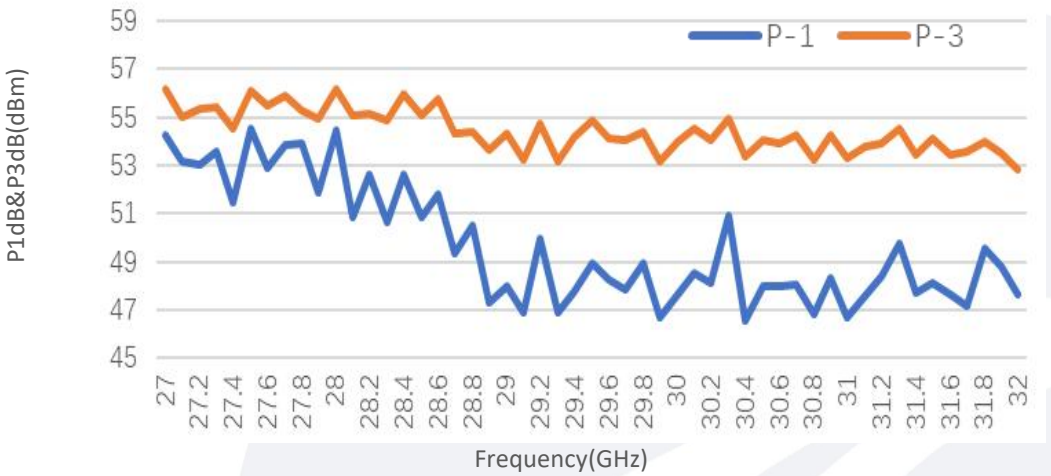
Typical Performance Data:

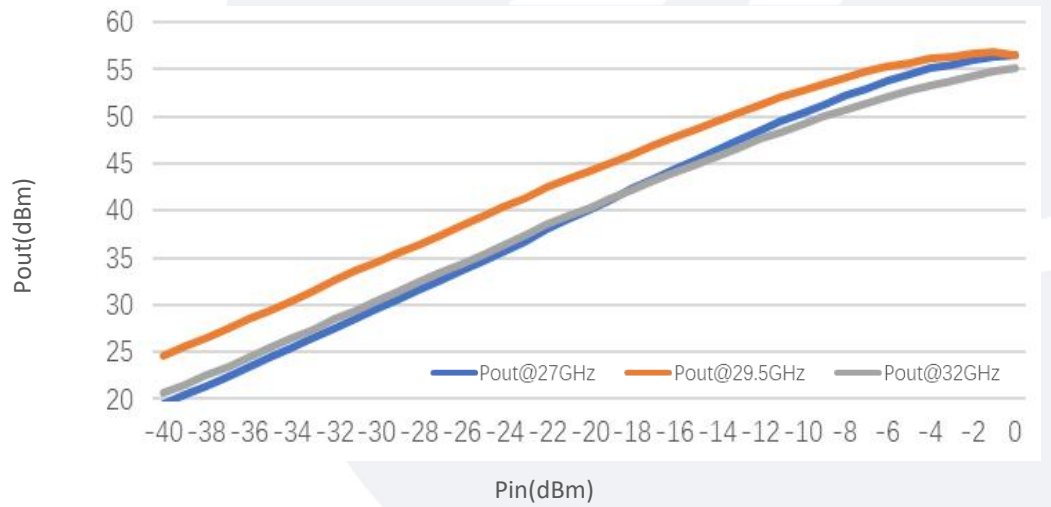
Input VSWR vs Frequency



P1dB&P3dB vs Frequency



Pout@Pin



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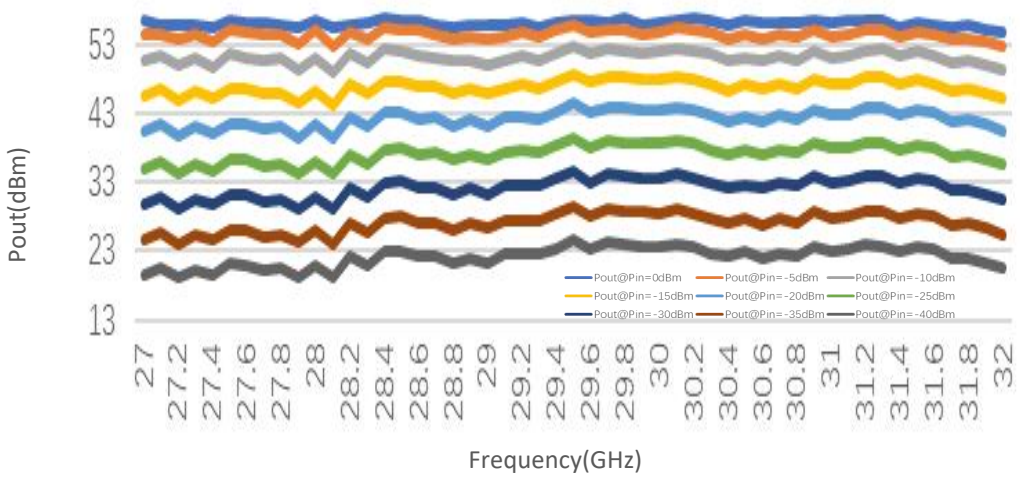
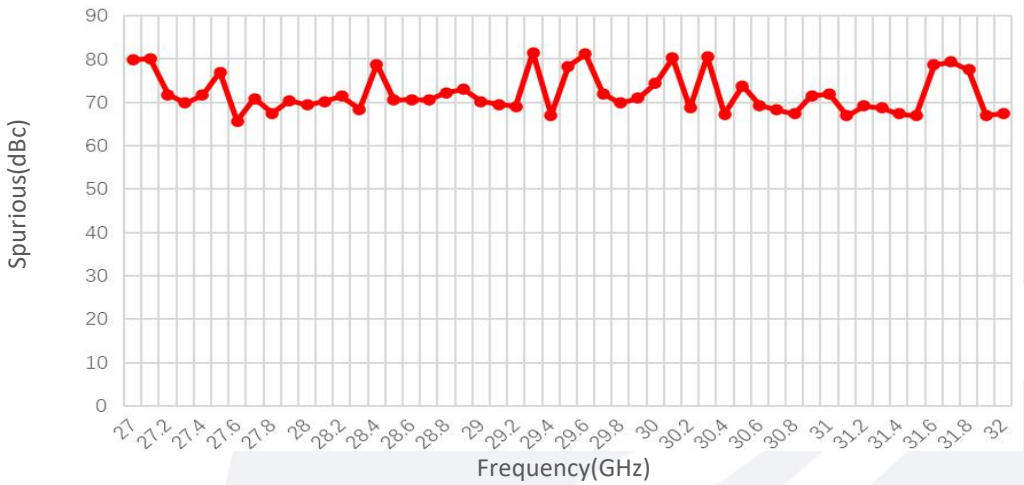
Typical Performance Data:

Pout@Equal_Pin



Spurious vs Frequency



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