

Model:TLPA26.5G40G-40-40-BC

Solid State High Power Amplifier Systems 26.5-40GHz, Gain:40dB, Psat:40dBm, 220V AC

Feature:

- Wide Band: 26.5-40GHz
- Gain: 40dB Min
- Psat Output Power:40dBm Typ
- 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	26.5-40			GHz
Gain	GP	40			dB
Output P1dB	P1dB		37		dBm
Output Psat	Psat		40		dBm
ALC	ALC			±0.5	dB
Spurious	Spur			-50	dBc
Harmonics	HAM			-25	dBc
Input VSWR	VSWRin			2	:1
AC Voltage	Vac	220			V AC
Power Consumption	Pdiss	150@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

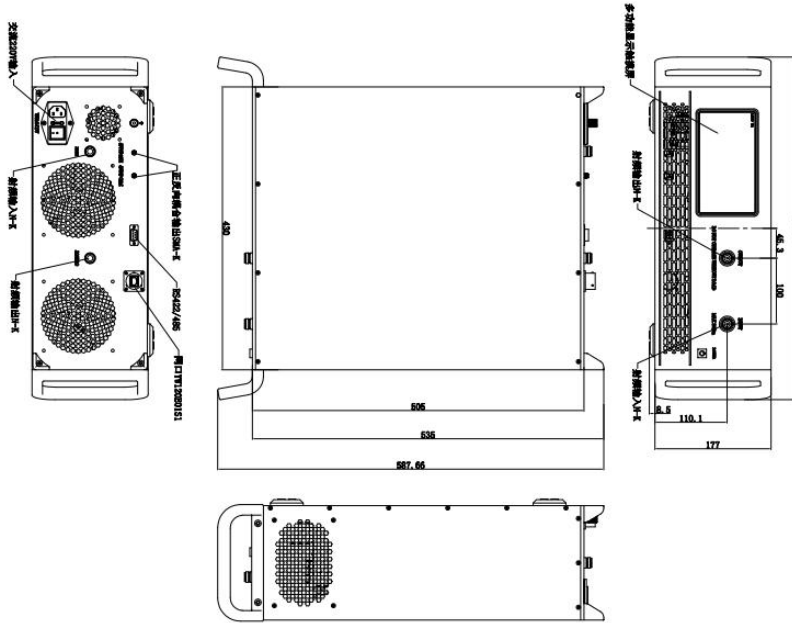
Parameter	Value	Units
Input/Output Connector	2.92 Female/WR-28	
DC Power Interface	Y50X-0803	
Size	200*200*85	mm
Weight	5	Kg

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Key Features:

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

Environmental Conditions:

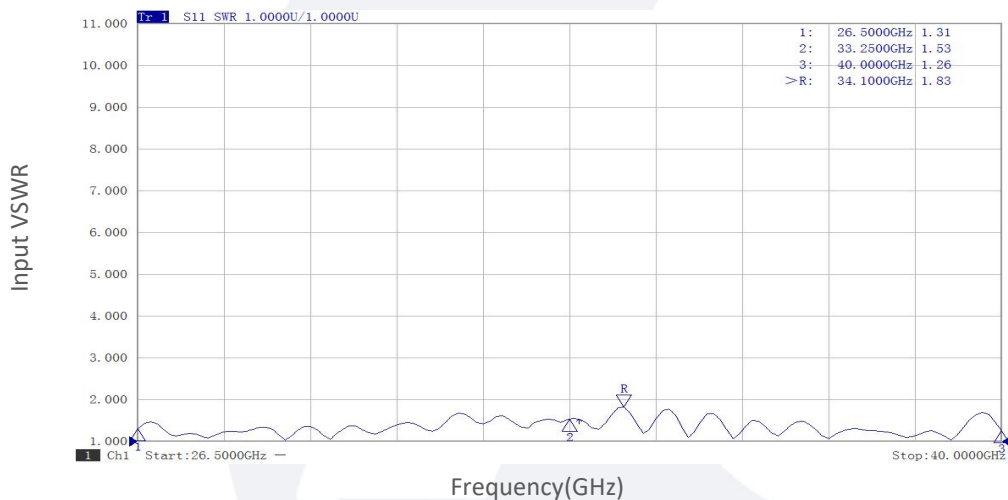
Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-40		+65	°C
Relative humidity		95		%
Altitude	50000			feet
Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA26.5G40G-40-40-BC	Solid State High Power Amplifier Systems 26.5-40GHz,Gain:40dB,Psat:40dBm,220V AC,Built in Fan Cooling	Rev.1.0

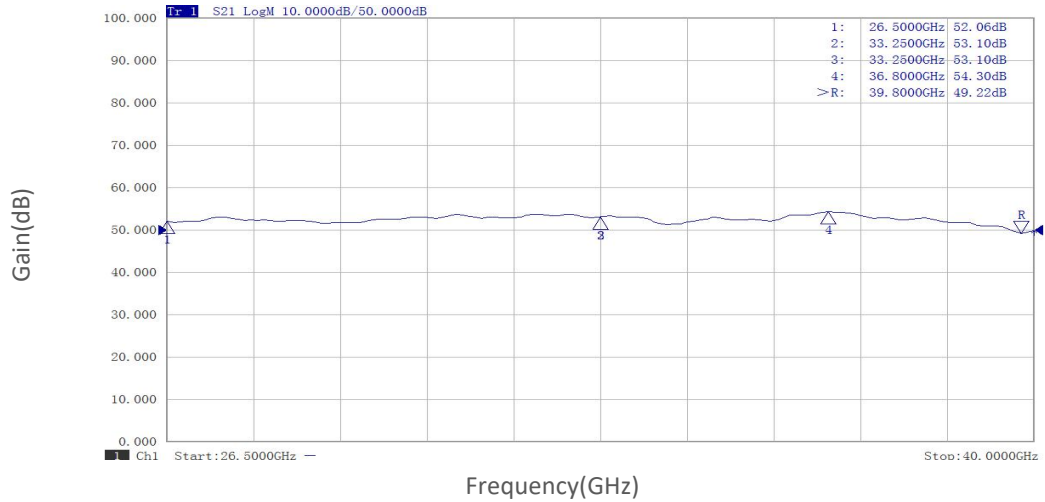
Typical Performance Data:

Input VSWR vs Frequency

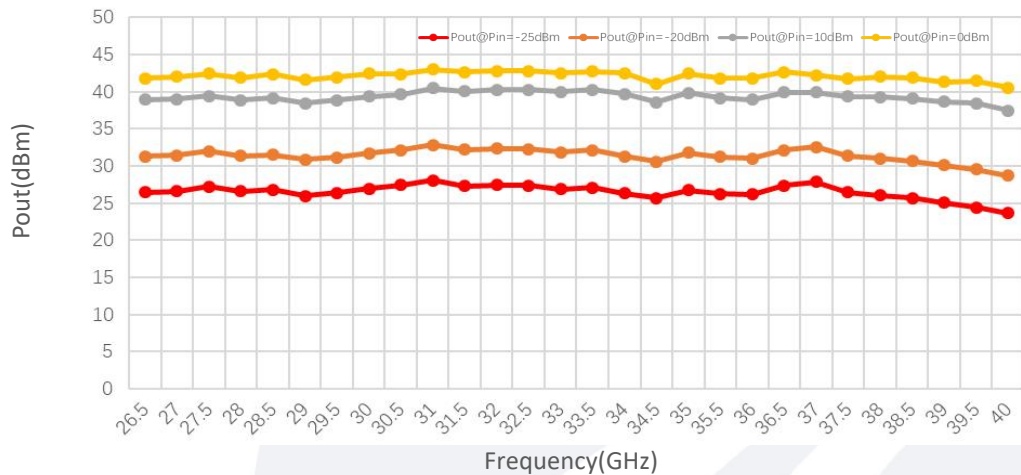


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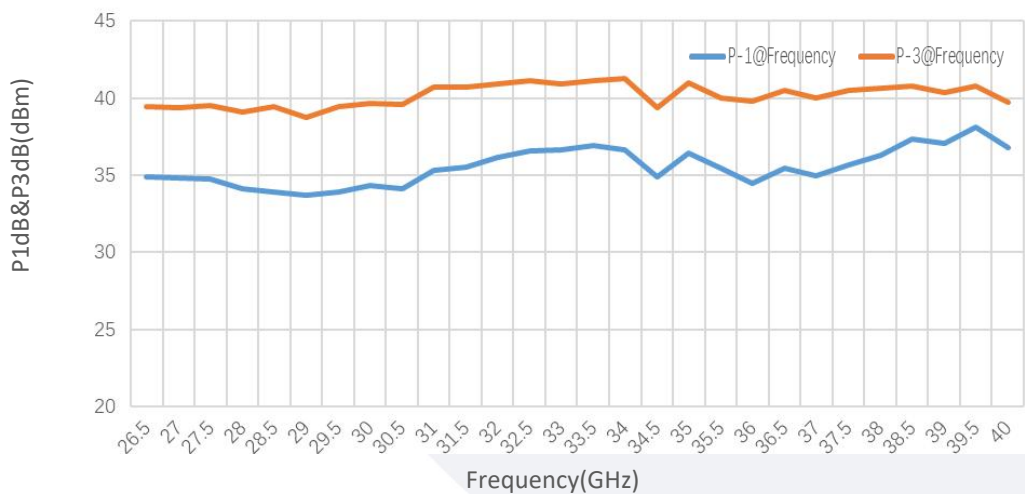
Gain vs Frequency



Pout@Equal_Pin



P1dB&P3dB vs Frequency



Typical Performance Data:

Spurious vs Frequency

