

## Model:TLPA0.3G6G-50-50-BC

## Solid State High Power Amplifier Systems 0.3-6GHz,Gain:50dB,Psat:50 dBm,220V AC

### Feature:

- Ultra Wide Band: 0.3-6 GHz
- Gain: 50 dB Min
- Psat Output Power: 50 dBm 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	0.3-6 Band A:0.3-2 Band B:2-6			GHz
Gain	GP	50			dB
Gain adjustable range	$\Delta$ GR		31.5		dB
Gain adjustable Step	$\Delta$ GS		0.5		dB
Output Psat	Psat	50			dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-10		dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
Impedance	I/O-IMP	50			Ohms

### Mechanical Specifications:

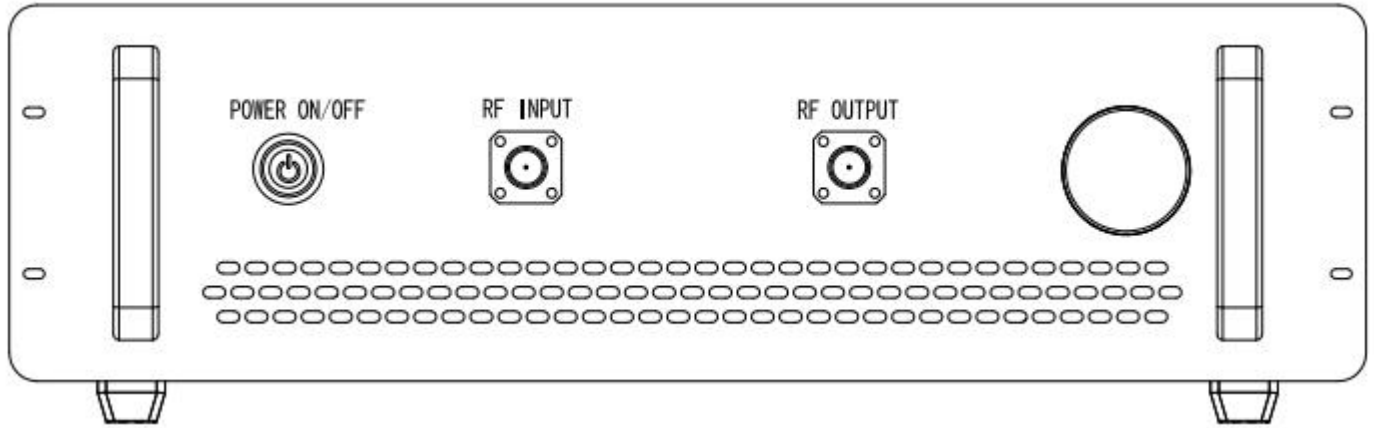
Parameter	Value	Units
Input /Output Connector	N Female	
AC Power Interface	Air switch	
Size	19 Inch 5U	mm
Weight	25	Kg

### Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	260V AC
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Key Features:**



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

Parameter	Advantages
Control functions	1, Power setting On/Off 2, ALC automatic level control
Protection functions	1, Over TEM 2, Over voltage 3, Over current protection 4, Over VSWR
Communication functions	RS422/Ethernet
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
TLPA0.3G6G-50-50-BC	Solid State High Power Amplifier Systems 0.3G6GHz, Gain:50dB, Psat:50 dBm, 220V AC, Built in Fan Cooling	Rev.1.0