

Model:TLPA1G6G-57-57-BC

Solid State High Power Amplifier Systems 1-6GHz,Gain:57dB,Psat:57 dBm,380V AC

Feature:

- Wide Band: 1-6GHz
- Gain: 57dB Min
- Psat Output Power:57dBm 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	1-6			GHz
Gain	GP	57			dB
Gain flatness	Δ GL			± 3	dB
Gain adjust range	Δ GR		30		dB
Gain adjust step	Δ GS		0.5		dB
Output Psat	Psat	57			dBm
Output P1dB	P1dB		52		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-15	-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	380			V AC
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

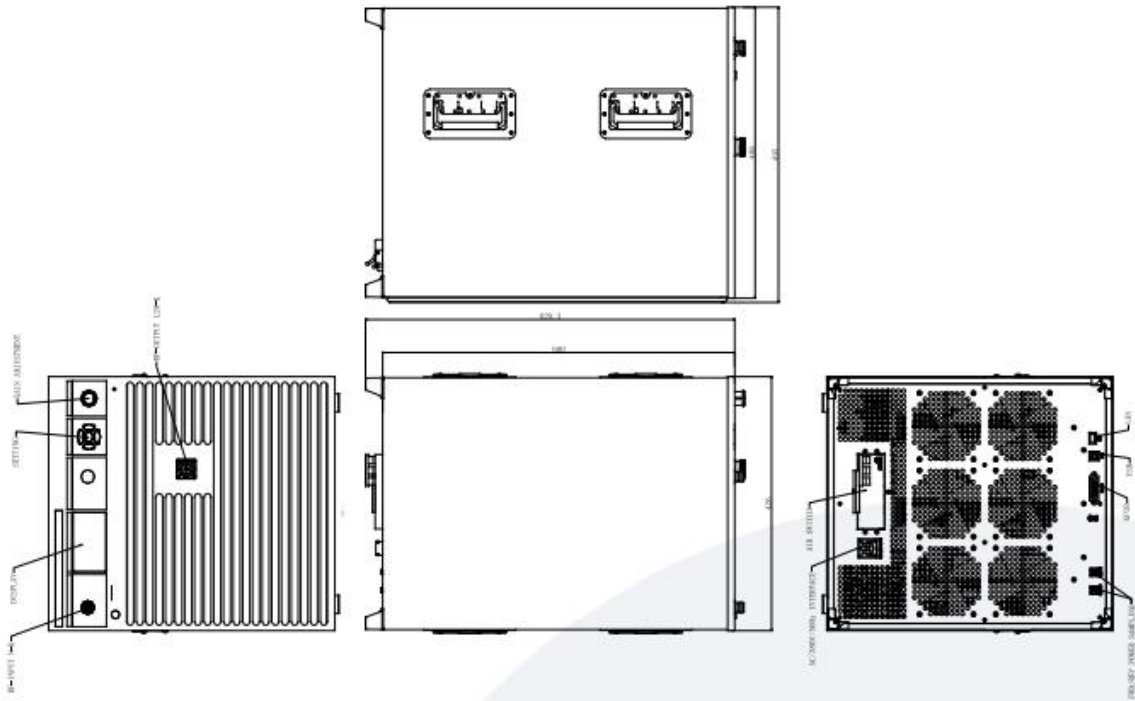
Parameter	Value	Units
Input /Output Connector	N Female/L29 Female	
Size	11U	
Weight	85	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	380V 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
Control	RS422/Ethernet
Cooling system	Built in Cooling system, forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	0		+40	°C
Non-operating Temperature	-20		+50	°C
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
TLPA1G6G-57-57-BC	Solid State High Power Amplifier Systems 1-6GHz,Gain:57dB,Psat:57 dBm,380V AC,Built in Fan Cooling	Rev.1.0