

Model:TLPA1G2.5G-54-54-BC
**Solid State High Power Amplifier Systems
 1-2.5GHz,Gain:54dB,Psat:54dBm,220V AC**
Feature:

- Wide Band:1-2.5GHz
- Gain: 54dB Min
- Psat Output Power:54dBm 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	1-2.5			GHz
Gain	GP	54			dB
Gain flatness	Δ GL		\pm 3		dB
Output Psat	Psat	54			dBm
Output P1dB	P1dB		50		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac		220		V AC
Power Consumption	Pdiss	1000@Max			Watts
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Size	19 Inch 5U	
Weight	35	Kg

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Key Features:



Parameter	Advantages
Control	RS422/Ethernet, LCD Screen Display
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	-45		+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
TLPA1G2.5G-54-54-BC	Solid State High Power Amplifier Systems 1-2.5GHz,Gain:54dB,Psat:54dBm,220V AC,Built in Fan Cooling	Rev.1.0