

Model:TLPA1G2G-65-65-BC
**Solid State High Power Amplifier Systems
 1-2GHz,Gain:65dB,Psat:65 dBm,380V AC**
Feature:

- Wide Band: 1-2GHz
- Gain: 65dB Min
- Psat Output Power:65dBm 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			GHz
Gain	GP	65			dB
Gain flatness	Δ GL		± 3		dB
Output Psat	Psat	65			dBm
Input Power	Pin		-3	0	dBm
Spurious	Spur			-60	dBc
Harmonics	HAM		-15	-15	dBc
Input VSWR	VSWRin			2.0	:1
AC Voltage	Vac	340	380	420	V AC
Power Consumption	Pdiss	18000@Max			W
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	N Female/1-5/8 EIA	
Forward/Reverse coupling	N Female/N Female	
Front Panel LCD Screen Display	7 inch LCD Screen Display	
Size	32U*800	mm
Weight	≤ 260	Kg

Absolute Maximum Ratings:

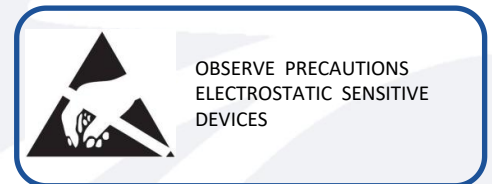
Parameter	Value
RF Input Power	0 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



Parameter	Advantages
Control functions	1, Power setting On/Off
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	-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
TLPA1G2G-65-65-BC	Solid State High Power Amplifier Systems 1-2GHz,Gain:65dB,Psat:65dBm,380V AC,Built in Fan Cooling	Rev.1.0