

Model:TLPA800M2G-56-55-BC
**Solid State High Power Amplifier Systems
 0.8-2GHz,Gain:56dB,Psat:55dBm,220V AC**
Feature:

- Wide Band: 0.8-2GHz
- Gain: 56dB Min
- Psat Output Power:55dBm 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	0.8-2			GHz
Gain	GP	56	58		dB
Gain flatness	Δ GL		± 2	± 2.5	dB
Output Psat	Psat		55		dBm
Output P1dB	P1dB	52	53		dBm
Spurious	Spur			-60	dBc
Harmonics	HAM			-10	dBc
Input VSWR	VSWRin		1.5	2.0	:1
AC Voltage	Vac	110	220		V AC
AC Supply Current	Iac	8A@220V AC			A
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Size	482.6*133.2*447	mm
Weight	15	Kg

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Key Features:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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	0		+50	°C
Non-operating Temperature	-40		+85	°C
Relative humidity		95		%
Altitude	15000			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
TLPA800M2G-56-55-BC	Solid State High Power Amplifier Systems 0.8-2GHz,Gain:56dB,Psat:55dBm,220V AC,Built in Fan Cooling	Rev.1.0