

Model:TLPA1M200M-53-53-BC
**Solid State High Power Amplifier Systems
 1-200MHz,Gain:53dB,Psat:53 dBm,220V AC**
Feature:

- Wide Band: 1-200MHz
- Gain: 53dB Min
- Psat Output Power:53dBm
- 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	1-200			MHz
Gain	GP	53			dB
Gain flatness	Δ GL			± 3	dB
Gain adjust Range	Δ GR		23		dB
Output Psat	Psat	50			dBm
Harmonics	HAM			-15	dBc
Input VSWR	VSWRin			1.3	:1
AC Voltage	Vac		220		V AC
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	N Female/N Female	
Network port Communication	GpIB/LAN	
Size	500*480*212	mm
Weight	TBD	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	240V AC
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 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	0		+40	°C
Non-operating Temperature	-15		+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
TLPA1M200M-53-53-BC	Solid State High Power Amplifier Systems 1-200MHz,Gain:53dB,Psat:53 dBm,220V AC,Built in Fan Cooling	Rev.1.0