

Model:TLPA700M2800M-50-50-BC
**Solid State High Power Amplifier Systems
 0.7-2.8GHz,Gain:50dB,Psat:50dBm,220V AC**
Feature:

- Wide Band:0.7-2.8GHz
- Gain: 50dB Min
- Psat Output Power:50dBm 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	0.7-2.8			GHz
Gain	GP	50			dB
Gain flatness	Δ GL		\pm 2	\pm 3	dB
Output P1dB	P1dB		47		dBm
Output Psat	Psat	50			dBm
Gain adjust Range	Δ GR	30			dB
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	2.5A@220V			A AC
Impedance	I/O-IMP	50			Ohms

Mechanical Specifications:

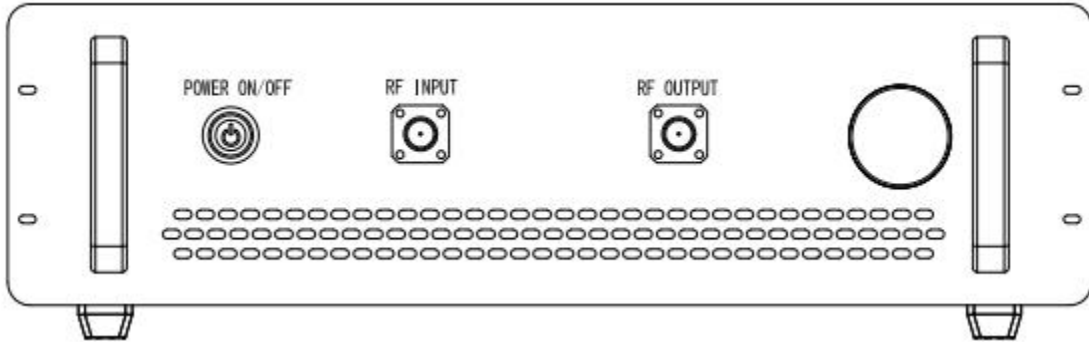
Parameter	Value	Units
Input/Output Connector	N Female/N Female	
Size	3U*500 depth	mm
Weight	10	Kg

Absolute Maximum Ratings:

Parameter	Value
RF Input Power	5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



Key Features:



Parameter	Advantages
Control	RS422/Ethernet
Protection functions	1,Over TEM 2,Over voltage 3,Over current protection 4,Over VSWR
Control functions	1,Power setting On/Off 2,ALC automatic level control
Cooling system	Built in Cooling system,forced air cooling

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+50	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30000			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
TLPA700M2800M-50-50-BC	Solid State High Power Amplifier Systems 0.7-2.8GHz, Gain:50dB, Psat:50dBm, 220V AC, Built in Fan Cooling	Rev.1.0