

Model:TLPA800M1300M-50-50
Power Amplifier
0.8-1.3GHz,Gain:50dB,Psat:50dBm
Feature:

- Ultra Wide Band: 0.8-1.3GHz
- Gain:50dB Min
- Psat Output Power:50dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	0.8-1.3			GHz
Gain	50	52		dB
Gain Flatness		±1	±2	dB
Output Psat	50	51		dBm
Input VSWR		1.5	2	:1
DC Voltage		+28		V DC
DC Supply Current		2	15	A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	180*100*20	mm
Weight	250	g

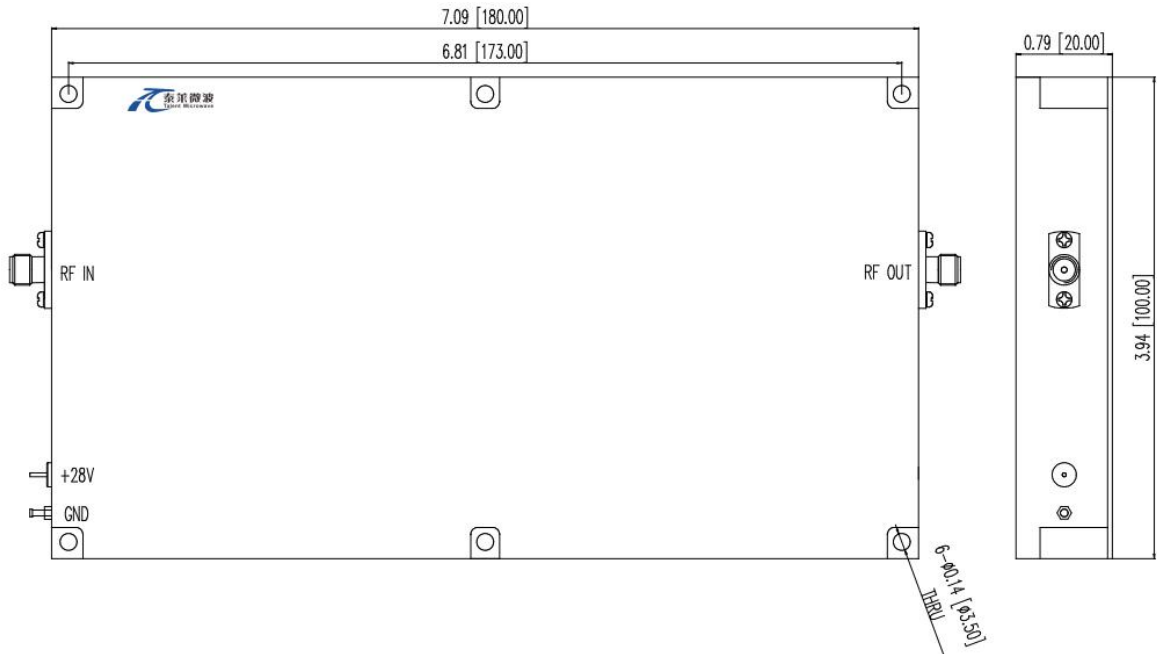
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+30V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
 Benchtop Amplifier**

Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			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
TLPA800M1300M-50-50	Power amplifier 0.8-1.3GHz,Gain:50dB,Psat:50dBm,+28V DC,Without Heatsink.	Rev.1.1
TLPA800M1300M-50-50-HS	Power amplifier 0.8-1.3GHz,Gain:50dB,Psat:50dBm,+28V DC,With Heatsink.	Rev.1.1