

Model:TLPA2.39G2.41G-43-43-HS
Power Amplifier
2.39-2.41GHz,Gain:43dB,Psat:43dBm
Feature:

- Frequency range: 2.39-2.41 GHz
- Gain: 43 dB Min
- Psat Output Power: 43 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	单位 Units
Frequency range	2.39-2.41			GHz
Small Signal Gain	43	45		dB
Gain Flatness		±0.5		dB
Output Psat	43	43.5		dBm
Supurious	50			dBc
Harmonic	10	15		dBc
Input VSWR			2.0	:1
DC Voltage	+28			V DC
DC Supply Current	4			A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	140*80*20	mm
Weight	/	g

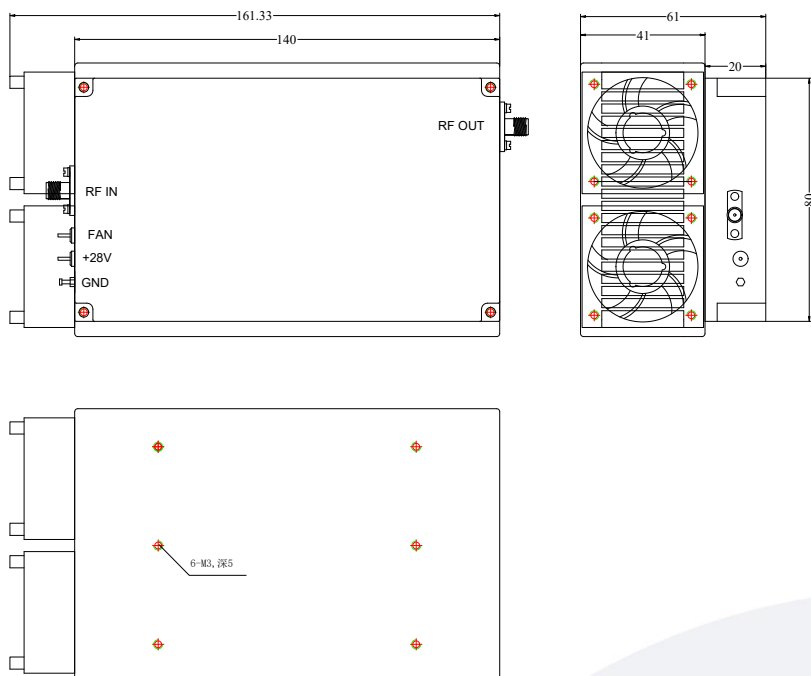
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+28 V
RF Input Power	+5 dBm
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm



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



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+75	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA2.39G2.41G-43-43	Power amplifier,2.39-2.41GHz,Gain:43dB,Psat:43dBm, +28V DC,Without Heatsink	Rev.1.0
TLPA2.39G2.41G-43-43-HS	Power amplifier,2.39-2.41GHz,Gain:43dB,Psat:43dBm, +28V DC,With Heatsink	Rev.1.0