泰莱微波
Talent Microwave

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Model:TLPA1.6G1.7G-38-38

Power Amplifier 1.6GHz-1.7GHz,Gain:38dB,Psat:38dBm

Feature:

- Frequency range: 1.6GHz-1.7GHz
- Gain: 38dB Min
- Psat Output Power: 38 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min.	Typ	Max	Units
Frequency range		1.6-1.7		GHz
Gain	38	40		dB
Gain Flatness		±1		dB
Output P1dB		35		dBm
Output Psat	38	39		dBm
PAE@Psat	40			%
Input VSWR		1.5	2.0	:1
DC Voltage		28		V DC
DC Supply Current		1.5		A
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female	
Bias	Solder Pin	
Size	90*48*15	mm
Weight	150	g

Available 220V System Benchtop Amplifier

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	30V
RF INPUT POWER	3 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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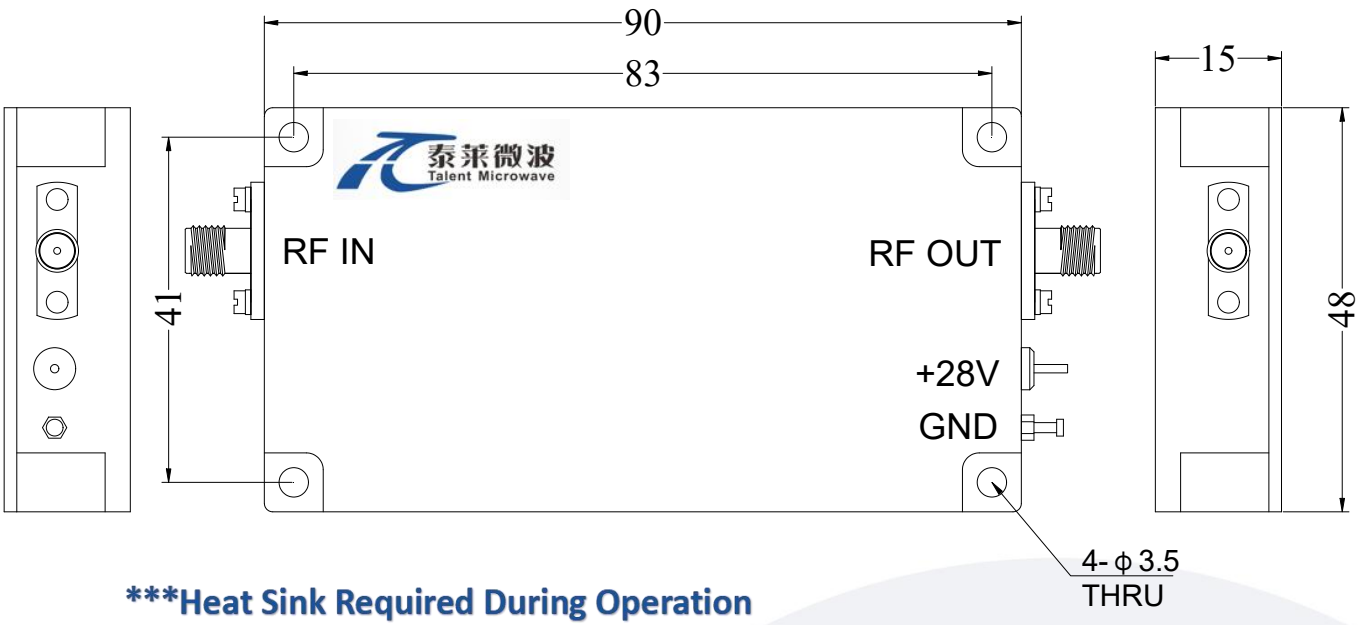
Outline Drawing:

Unit: mm



***Heat Sink Required During Operation

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	℃
Non-operating Temperature	-55		+125	℃
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
TLPA1.6G1.7G-38-38	Power amplifier 1.6GHz-1.7GHz,Gain:38dB,Psat:38dBm,28V DC， Without Heatsink	Rev.1.0
TLPA1.6G1.7G-38-38-HS	Power amplifier 1.6GHz-1.7GHz,Gain:38dB,Psat:38dBm,28V DC， With Heatsink	Rev.1.0