泰莱微波
Talent Microwave

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Model:TLPA2700M3200M-30-44

Power Amplifier 2.7-3.2GHz,Gain:30dB,Psat:44dBm

Feature:

- Ultra Wide Band: 2.7-3.2GHz
- Gain:30dB Min
- Psat Output Power: 44dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range		2.7-3.2		GHz
Gain	30	33		dB
Gain Flatness		±1	±1.5	dB
Output Psat	44	45		dBm
Input VSWR		1.3	1.5	:1
Output VSWR			2	:1
DC Voltage		+28	+30	V DC
DC Supply Current		3	4.2	A
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	170*94*20	mm
Weight	300	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+30V
RF Input Power	20dBm
ESD sensitivity (HBm)	Class 0, passed 150V

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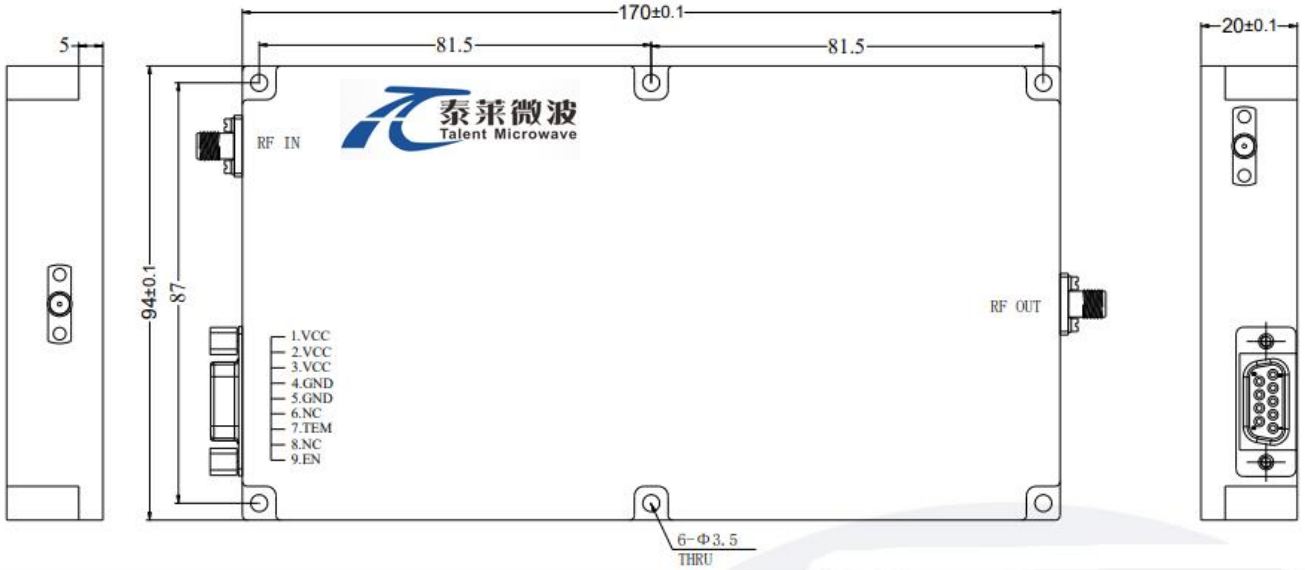
Outline Drawing:

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)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA2700M3200M-30-44	Power amplifier 2.7-3.2GHz,Gain:30dB,Psat:44dBm, +28V DC,Without Heatsink	Rev.1.1
TLPA2700M3200M-30-44-HS	Power amplifier 2.7-3.2GHz,Gain:30dB,Psat:44dBm, +28V DC,With Heatsink	Rev.1.1