泰莱微波
Talent Microwave

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Model:TLPA0.7G6G-30-35

Power Amplifier
0.7-6GHz,Gain:30dB,Psat:35dBm

Feature:

- Ultra Wide Band: 0.7-6GHz
- Gain:30dB Min
- Psat Output Power:35dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range		0.7-6		GHz
Gain	30	33		dB
Gain Flatness		±2	±2.5	dB
Output P1dB	33	34		dBm
Output Psat		35		dBm
Spurious		-60		dBc
Input VSWR		1.6	2	:1
DC Voltage		+28		V DC
DC Supply Current		1		A
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	67*80*12	mm
Weight	/	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+28V
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Available 220V System Benchtop Amplifier

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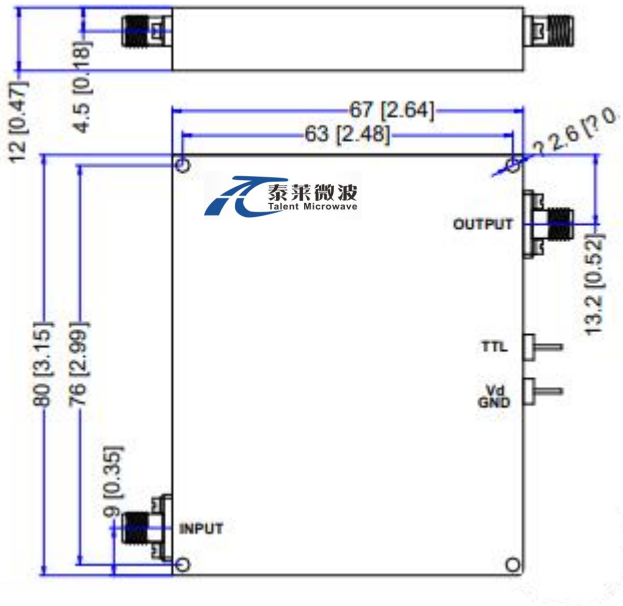
Outline Drawing:

Unit: mm



***Heat Sink Required During Operation

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+75	℃
Non-operating Temperature	-55		+125	℃
Relative humidity		95		%
Altitude	50,000			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
TLPA0.7G6G-30-35	Power amplifier 0.7-6GHz,Gain:30dB,Psat:35dBm,+28V DC,Without Heatsink.	Rev.1.0
TTLPA0.7G6G-30-35-HS	Power amplifier 0.7-6GHz,Gain:30dB,Psat:35dBm,+28V DC,With Heatsink.	Rev.1.0