

Model:TLPA1G6G-43-43

Power Amplifier 1-6GHz,Gain:43dB,Psat:43dBm

Feature:

- Ultra Wide Band: 1-6GHz
- Gain:43 dB Min
- Psat Output Power: 43dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	1-6			GHz
Gain	43			dB
Gain Flatness			±5	dB
Output P1dB	40			dBm
Output Psat	43			dBm
Spurious			-50	dBc
Input VSWR		1.5	2.5	:1
DC Voltage	+28			V DC
DC Supply Current		6		A
Impedance	50			Ohms

Mechanical Specifications:

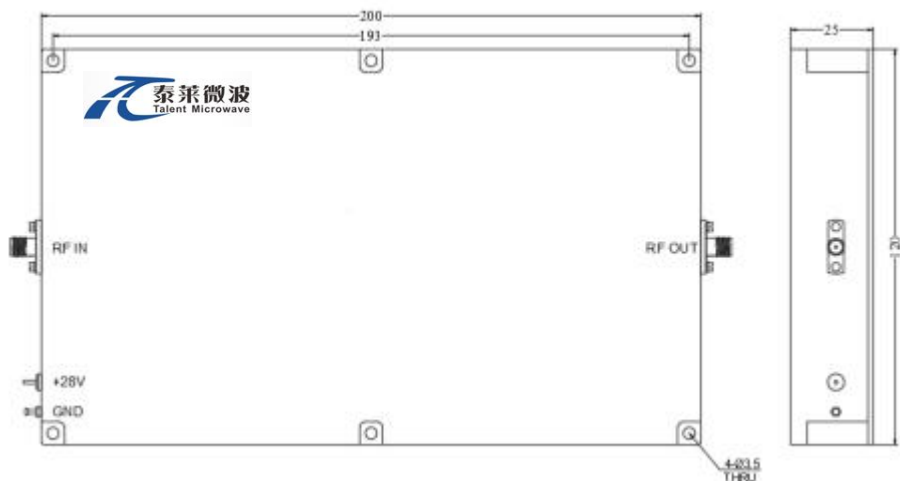
Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	200*120*20	mm
Weight	200	g

Absolute Maximum Ratings:

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

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	°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
TLPA1G6G-43-43	Power amplifier 1-6GHz,Gain:43dB,Psat:43dBm, +28V DC,Without Heatsink	Rev.1.1
TLPA1G6G-43-43-HS	Power amplifier 1-6GHz,Gain:43dB,Psat:43dBm, +28V DC,With Heatsink	Rev.1.1