

Model:TLPA10M300M-33-33
Power Amplifier
10MHz-300MHz,Gain:33dB,Psat:33dBm
Feature:

- Wide Band: 10MHz-300MHz
- Gain: 33dB Min
- Psat Output Power: 33 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	10-300			MHz
Gain	33	35		dB
Gain Flatness		±1	±2	dB
Output Psat	33	34		dBm
Harmonics @Pout=33dBm		-15		dBc
Input VSWR		1.5	2.0	:1
DC Voltage		15	16	V DC
DC Supply Current		0.2	1.0	A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female	
Bias	Solder Pin	
Size	76*48*15	mm
Weight	150	g

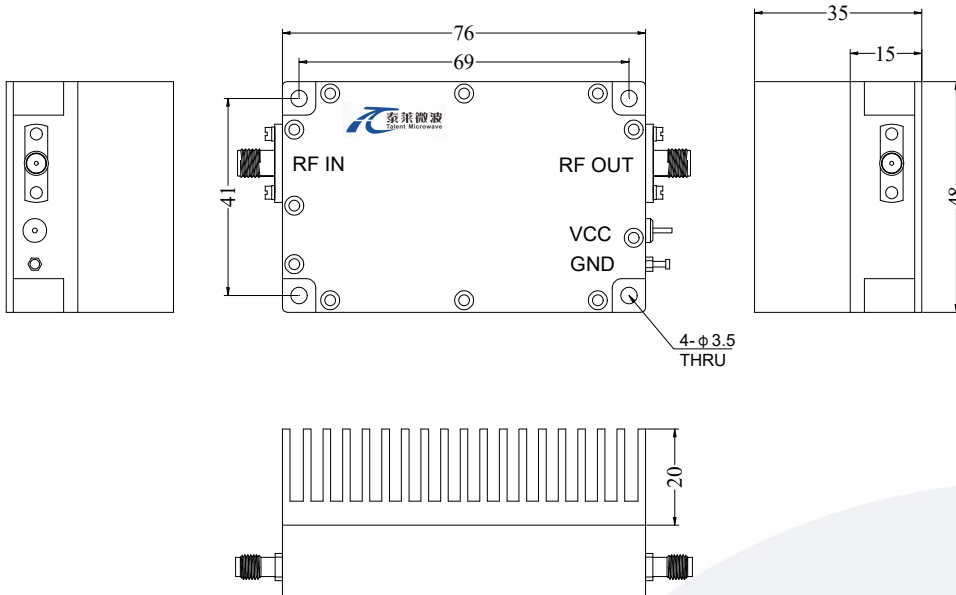
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	16V
RF INPUT POWER	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V


 Available 220V System
 Benchtop Amplifier

Outline Drawing:

Unit: mm



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)	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
TLPA10M300M-33-33	Power amplifier 10MHz-300MHz,Gain:33dB,Psat:33dBm, 15V DC, Without Heatsink	Rev.1.0
TLPA10M300M-33-33 -HS	Power amplifier 10MHz-300MHz,Gain:33dB,Psat:33dBm, 15V DC, With Heatsink	Rev.1.0