

Model: TMPA-076081-3526-12
Power Amplifier
76-81 GHz, Gain:35 dB,Psat:26 dBm
Feature:

- Frequency Range:76-81 GHz
- Gain:35 dB Min
- Output Power Psat:26 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	76-81			GHz
Gain	35	26		dB
Output Psat	25	26		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		12		V DC
DC Supply Current		1200		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	56*38*24(Without Heatsink) 56*82*74(With Heatsink)	mm
Weight	/	g

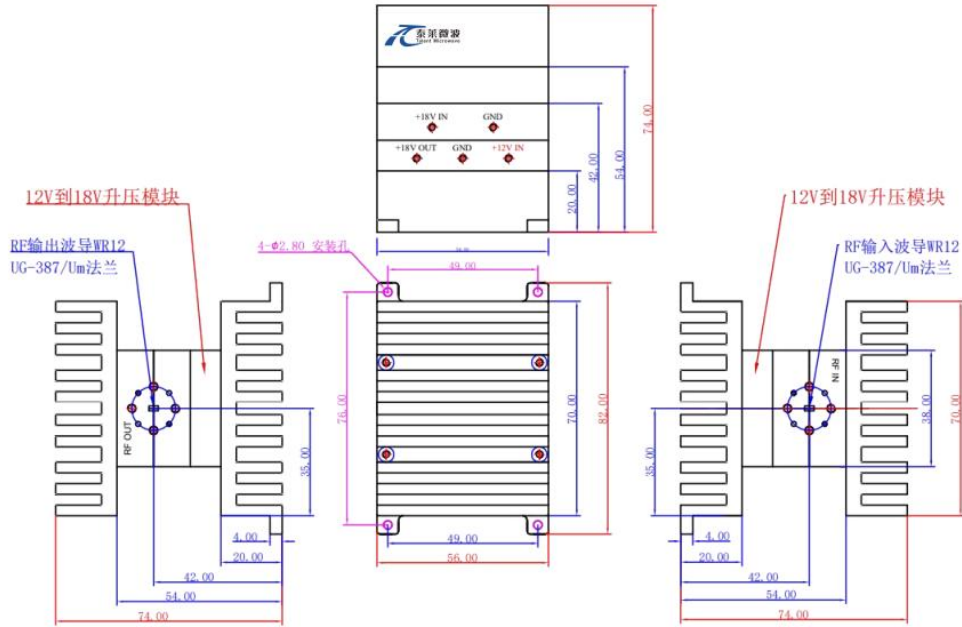
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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
TMPA-076081-3526-12	Power Amplifier,76-81 GHz, Gain:35 dB Min,Psat:26 dBm Typ,12V DC,WR-12	Rev.1.1