

Model: TMPA-076081-3028-12
Power Amplifier
76-81 GHz, Gain:30 dB,Psat:28 dBm
Feature:

- Frequency Range:76-81 GHz
- Gain:30 dB Typ
- Output Power Psat:28 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	76-81			GHz
Gain	29	30		dB
Output Psat	27	28		dBm
Input VSWR		2	2.3	:1
Output VSWR		2	2.3	:1
DC Voltage		17	18	V DC
DC Supply Current		650		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	54*68*60	mm
Weight	100	g

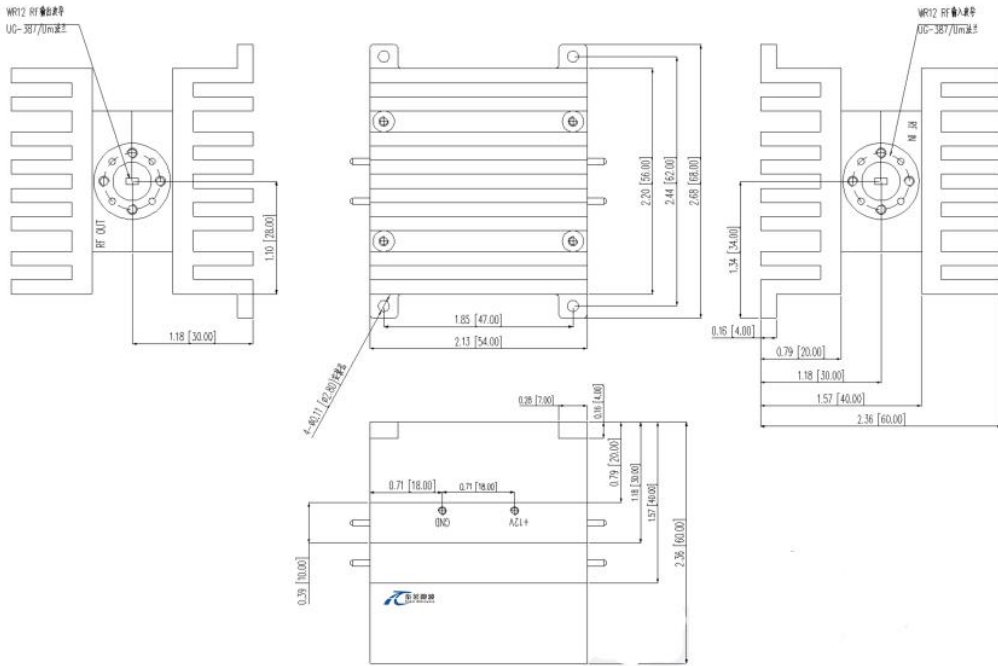
Absolute Maximum Ratings:

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	-25		+65	°C
Non-operating Temperature	-45		+125	°C
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
TMPA-076081-3028-12	Power Amplifier,76-81 GHz, Gain:30 dB Typ,Psat:28 dBm Typ,18V DC,WR-12	Rev.1.1

Typical Performance Data:

Psat vs Frequency

