

Model: TMPA-040060-2521-19
Power Amplifier
40-60GHz, Gain:30 dB, Psat:21 dBm
Feature:

- Frequency Range: 40-60 GHz
- Gain:30 dB Type
- Output Power Psat:21 dBm Type
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	40-60			GHz
Gain	25	30		dB
Output Psat	20	21		dBm
Input VSWR		2.2		:1
Output VSWR		2.2		:1
DC Voltage		5		V DC
DC Supply Current		850		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-19/UG-387/U	
DC Bias	Solder Pin	
Size	58*57*48(With Heatsink)	mm
Weight	/	g

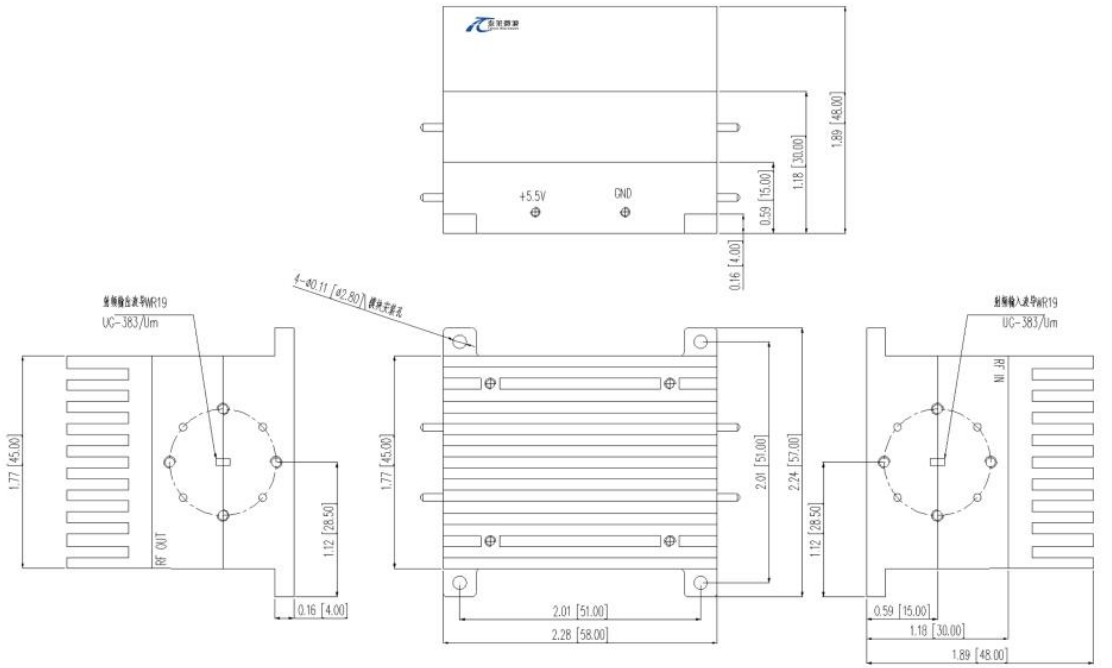
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+5V
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	-10		+65	°C
Non-operating Temperature	-55		+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-040060-2521-19	Power Amplifier, 40-60 GHz, Gain:30 dB Type, Psat:21 dBm Type, 5V DC,WR-19	Rev.1.1