

**Model: TMPA-040060-3036-19**
**Power Amplifier**  
**40-60GHz, Gain:30 dB,Psat:36 dBm**
**Feature:**

- Frequency Range: 40-60 GHz
- Gain:30 dB Typ
- Output Power Psat:36 dBm Min
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	40-60			GHz
Gain		30		dB
Output Psat	36			dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		19		V DC
DC Supply Current		4500		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-19/UG-387/U	
DC Bias	MICRO-D15 Female	
Size	80*50*31	mm
Weight	100	g

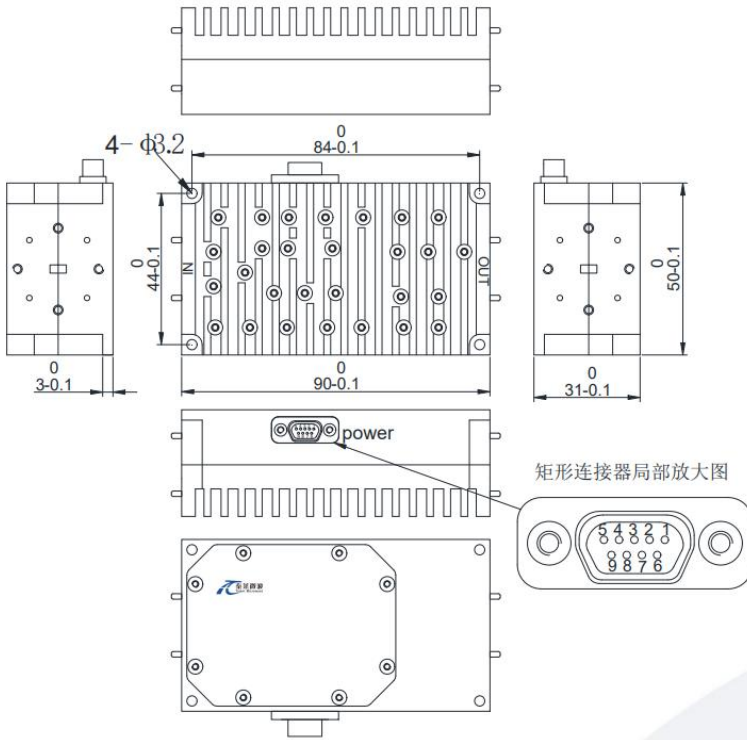
**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	+24V
RF Input Power	19dBm
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System  
 Benchtop Amplifier**

**Outline Drawing:**

Unit: mm(Inches)



MICRO-D15 Female Define	
Pin	Function
Pin1-4	+19V
Pin5	NC
Pin6-9	GND

**Environmental Conditions:**



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

Parameter	Min	Typ	Max	Units
Operating Temperature	+10		+40	°C
Non-operating Temperature	0		+50	°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-040060-3036-19	Power Amplifier,40-60 GHz, Gain:30 dB Typ,Psat:36 dBm Min,19V DC,WR-19	Rev.1.1