

**Model: TMPA-092096-2541-10**

**Power Amplifier**

**92-96 GHz, Gain:25 dB,Psat:41 dBm**

**Feature:**

- Frequency Range:92-96 GHz
- Gain:25 dB Min
- Output Power Psat:41 dBm Min
- Good Power and Gain Flatness

**Electrical Specifications:**

| Parameter         | Min   | Typ | Max  | Units |
|-------------------|-------|-----|------|-------|
| Frequency range   | 92-96 |     |      | GHz   |
| Gain              | 22    | 25  | 28   | dB    |
| Output Psat       | 40.5  | 41  | 41.5 | dBm   |
| DC Voltage        |       | 24  |      | V DC  |
| DC Supply Current |       | 19  |      | A     |

**Mechanical Specifications:**

| Parameter               | Value          | Units |
|-------------------------|----------------|-------|
| Input /Output Connector | WR-10/UG-387/U |       |
| DC Bias                 | Solder Pin     |       |
| Size                    | /              | mm    |
| Weight                  | /              | g     |

**Absolute Maximum Ratings:**

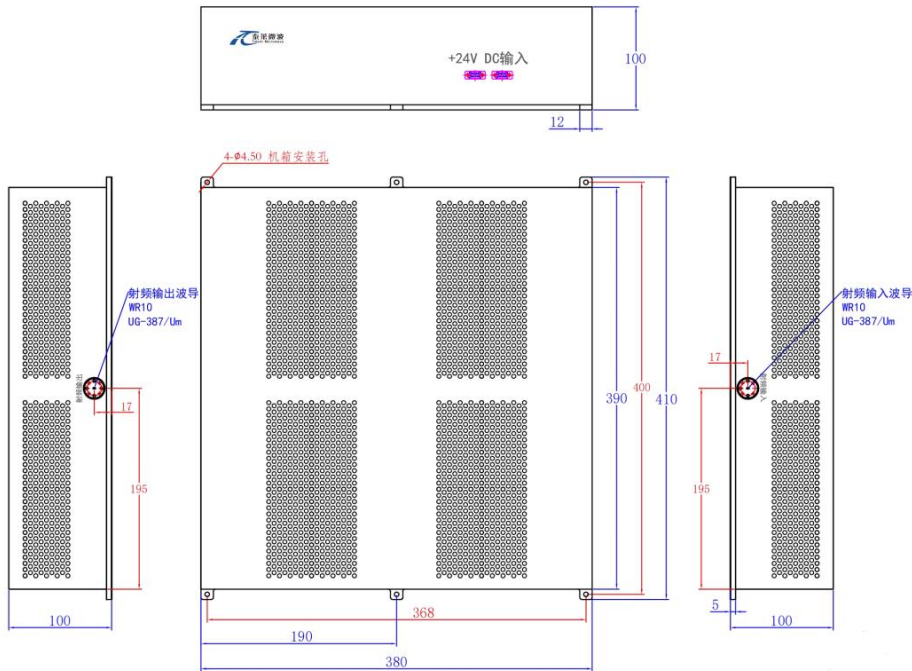
| Parameter             | Value                |
|-----------------------|----------------------|
| Supply Bias Voltage   | TBD                  |
| RF Input Power        | TBD                  |
| ESD sensitivity (HBm) | Class 0, passed 150V |



**Available 220V System  
Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

| Parameter                       | Min   | Typ | Max  | Units |
|---------------------------------|---|-----|------|-------|
| Operating Temperature           | -10   |     | +55  | °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-092096-2541-10 | Power Amplifier,92-96 GHz, Gain:25 dB Typ,Psat:41 dBm Typ,24V DC,WR-10 | Rev.1.1  |