

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A | INITIAL RELEASE | C. Cai | 2023/8/23 | C. Chen |

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

| | |
|--------------------|-----------|
| Frequency Range | 55~60GHz |
| Output Power(Psat) | 30dBm min |
| Gain | 30dB min |
| Input VSWR | 2.0:1 typ |
| Max Input Power | +20dBm |
| Impedance | 50 Ohms |
| Operating Voltage | +12V typ |
| Operating Current | 3A typ |

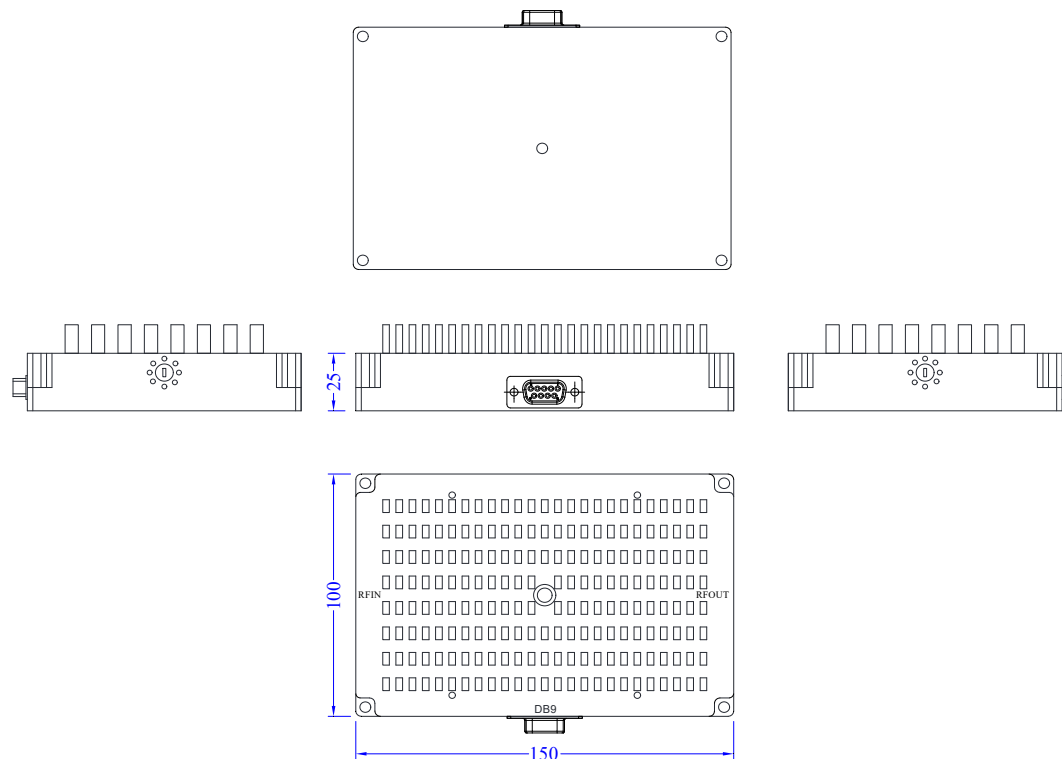
► Mechanical Data

| | |
|------------------------|--------------|
| Dimensions | 150×100×25mm |
| Input Connector | WR-15 |
| Output Connector | WR-15 |
| Power Supply Connector | 9-Pin D-Sub |

► Environmental Data

| | |
|-----------------------------------|-----------|
| Operating Temperature | -10℃~+50℃ |
| Storage Temperature | -40℃~+85℃ |
| Relative Humidity(non-condensing) | 95% typ |

! Stress above these ratings may cause permanent damage to the device



Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

| | | |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 23/08/23 | | |
| ENGINEER: J. Zhu 23/08/23 | | |
| APPROVED: C. Chen 23/08/23 | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | |
| x | ±0.50 | [0.019"] |
| .x | ±0.20 | [0.008"] |
| .xx | ±0.10 | [0.004"] |
| ANGLES | ±1° | |

TITLE:

Power Amplifier, 55-60GHz, Gain 30dB, Output Power 30dBm, +12V, WR-15

PART No.:

TPMA-55006000-3030



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DIMENSIONS IN MILLIMETERS(mm)

| | | | |
|-------------|--------|---------------|-----------|
| SIZE: A4 | SCALE: | SHEET: 1/1 | REV: A |
|-------------|--------|---------------|-----------|