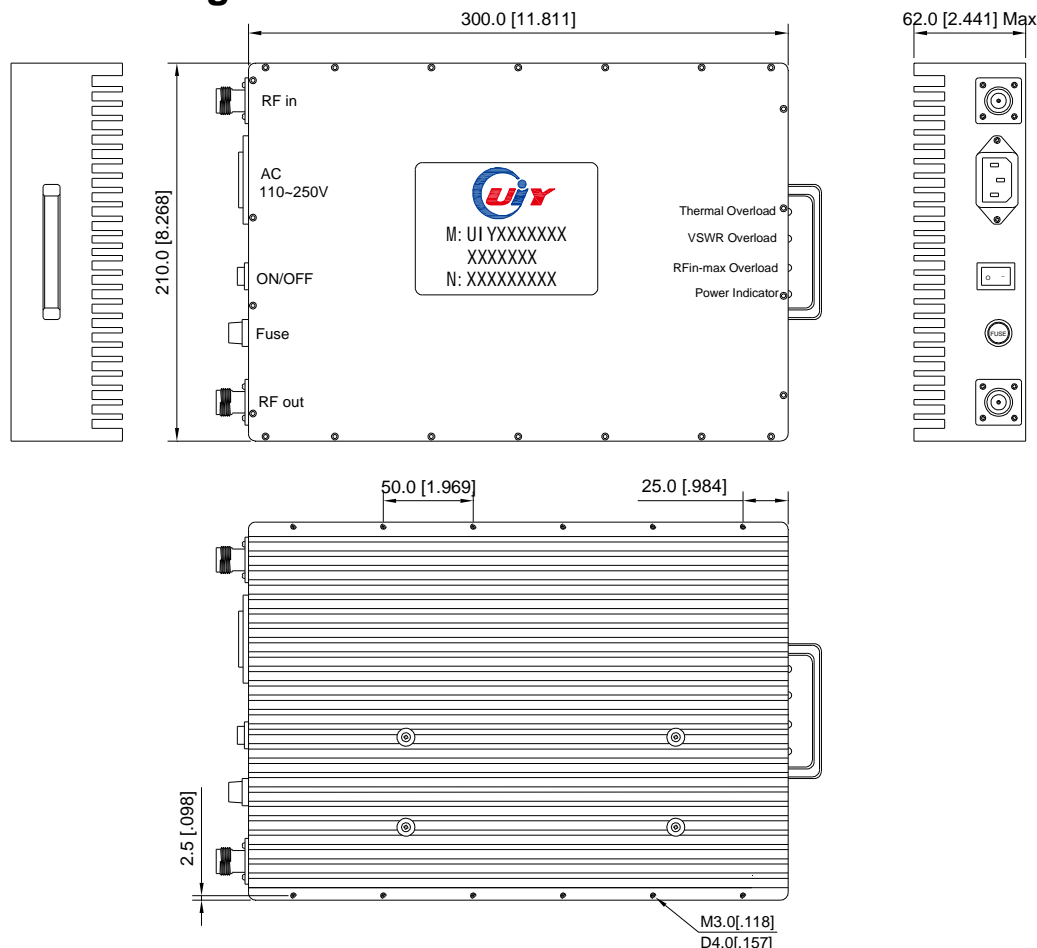


1100 to 2900MHz – 25W Power Amplifier

UIYPA300210E1100T2900NF

| RF Characteristics @T=25°C, VDD=+12VDC; 50Ω System | | | | | |
|--|------------------------|------|------|-------|------|
| Parameter | Symbol | Min | Type | Max | Unit |
| Operating Frequency | BW | 1100 | | 2900 | MHz |
| Power Output CW | Po | | 25 | | W |
| Power @1dB | P1dB | | 12 | | W |
| Power Gain @CW | G | | 40 | | dB |
| Gain Flatness | ΔG | | ±2.0 | | dB |
| Input/Output VSWR | S11/S22 | | 2:1 | 2.5:1 | |
| Odd Harmonics @CW | H | 8 | 10 | | dBc |
| Even Harmonics @CW | H | 15 | 18 | | dBc |
| Spurious Signals | Spur | 65 | 70 | | dBc |
| Operating Voltage | AC | 110 | 220 | 250 | Volt |
| Current Consumption | I _D | | 0.6 | | A |
| Operating Temperature | T _c | -20 | | +55 | °C |
| Storage Temperature | T _{stg} | -30 | | +85 | °C |
| Thermal Overload | 85°C (Alarm: Yellow) | | | | |
| VSWR Overload | 3:1 (Alarm: Yellow) | | | | |
| RFin-max Overload | 10 dBm (Alarm: Yellow) | | | | |
| Connector Type | N Female | | | | |

Mechanical Drawing



Unit: mm/ inch, General part tolerance is ±2% unless otherwise stated.

Ver. 5