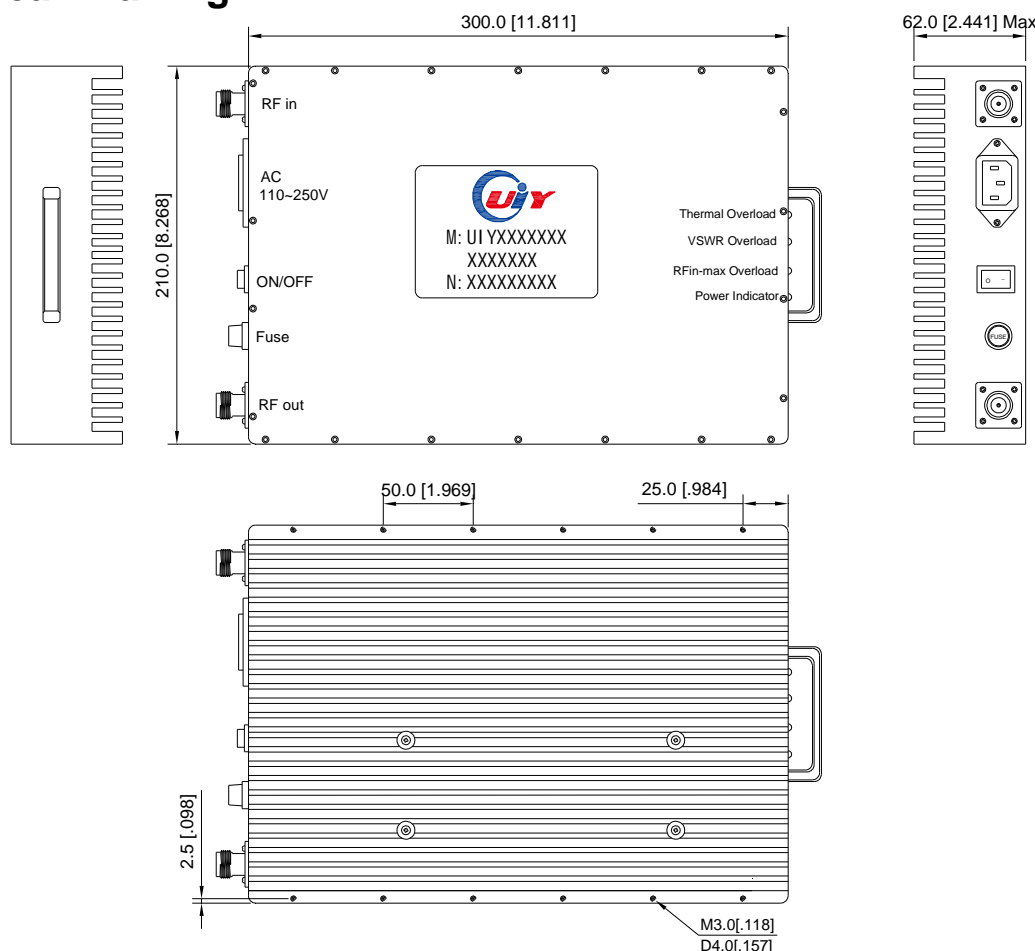


# 500 to 2500MHz – 50W Power Amplifier

## UIYPA300210D500T2500NF

RF Characteristics @T=25°C, VDD=+12VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	500		2500	MHz
Power Output CW	Po		50		W
Power @1dB	P1dB		20		W
Power Gain @CW	G		42		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 <sub>D</sub>		1.2		A
Operating Temperature	T <sub>c</sub>	-20		+55	°C
Storage Temperature	T <sub>stg</sub>	-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