

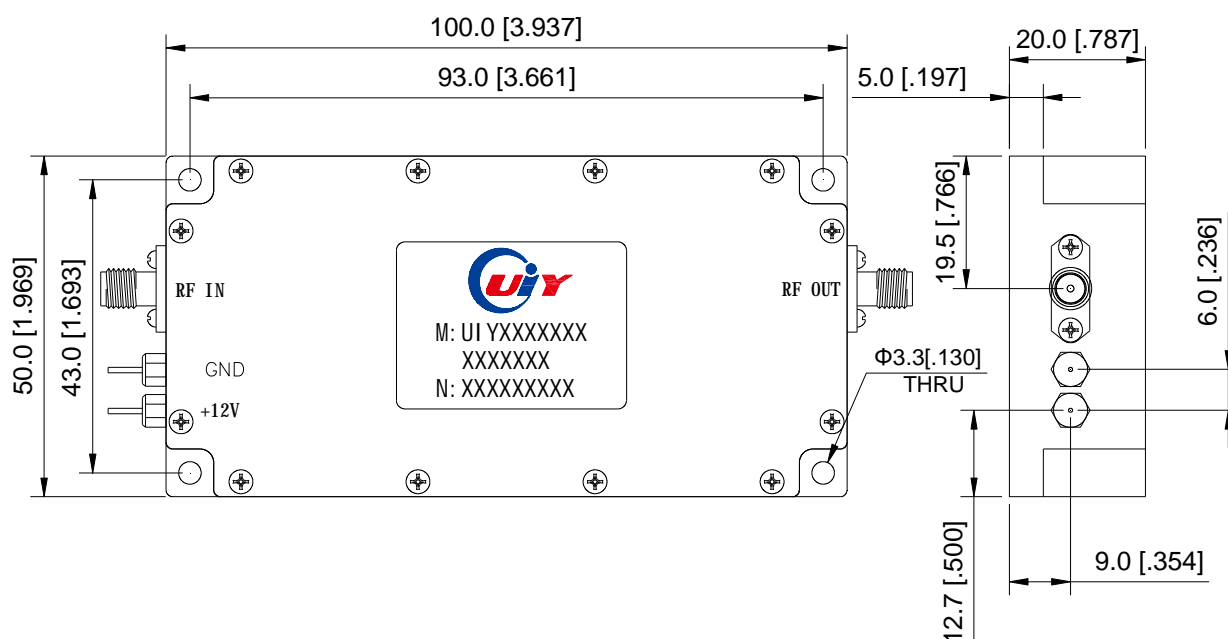
# 1 to 1000MHz – Power Amplifier

## UIYPA10050A1T1000SF

RF Characteristics @T=25°C, VDD=+12VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	1		1000	MHz
Power Output CW	Po		1		W
Saturation Output Power		30			
Power Gain @CW	G		26		dB
Input Power	Pin		3		dBm
Gain Flatness	ΔG		±2.0		dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H		12		dBc
Even Harmonics @CW	H		12		dBc
Noise Figure	NF		4		dB
Spurious Signals	Spur		60		dBc
Operating Voltage	VDC		12		Volt
Current Consumption @Po=1W	Id		0.4		A
Operating Temperature	Tc	-20		+60	°C
Storage Temperature	Tstg	-40		+70	°C
Connector Type	Input SMA Female, Output SMA Female				
<sup>2</sup> Listed are specific frequency ranges and other ranges are available.					
<sup>2</sup> Please provide the below information when inquiring and mark * is required.					
* 1. The specific pass band frequency range					
* 2. The specific Gain and Power					
3. Other special requests.					

## Mechanical Drawing

Note: External heatsink is needed in this module



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

Ver. 5