

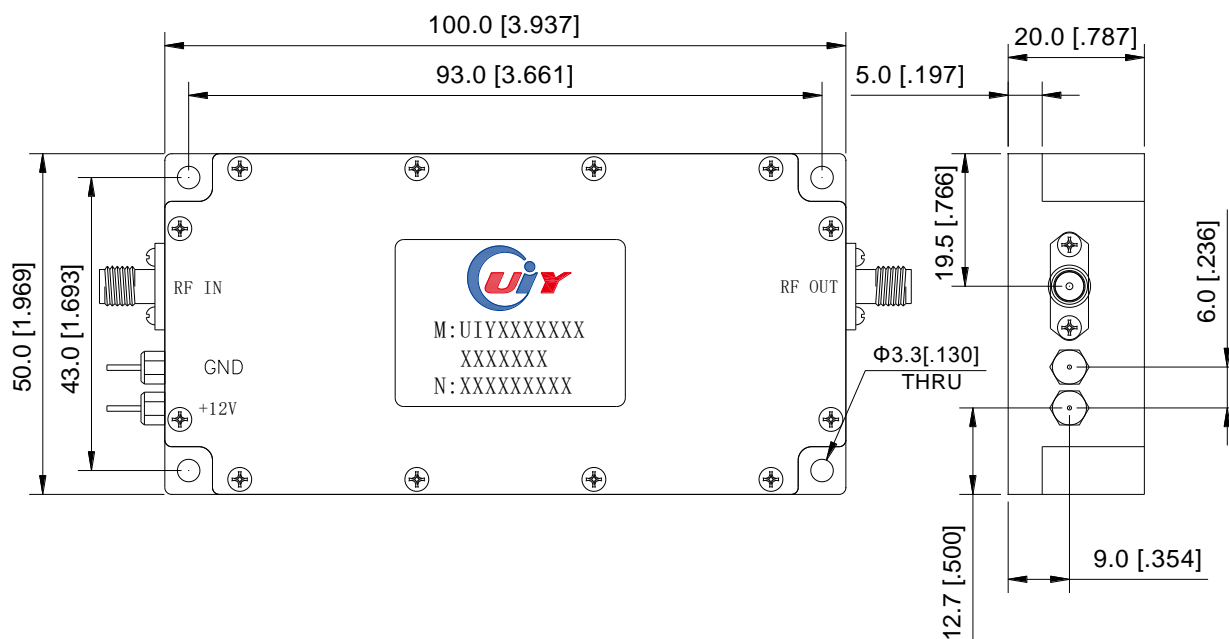
1 to 1000MHz – Power Amplifier

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	I _b		0.4		A
Operating Temperature	T _c	-20		+60	°C
Storage Temperature	T _{stg}	-40		+70	°C
Connector Type	Input SMA Female, Output SMA Female				
<ul style="list-style-type: none"> ◇ Listed are specific frequency ranges and other ranges are available. ◇ Please provide the below information when inquiring and mark * is required. <ul style="list-style-type: none"> * 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