

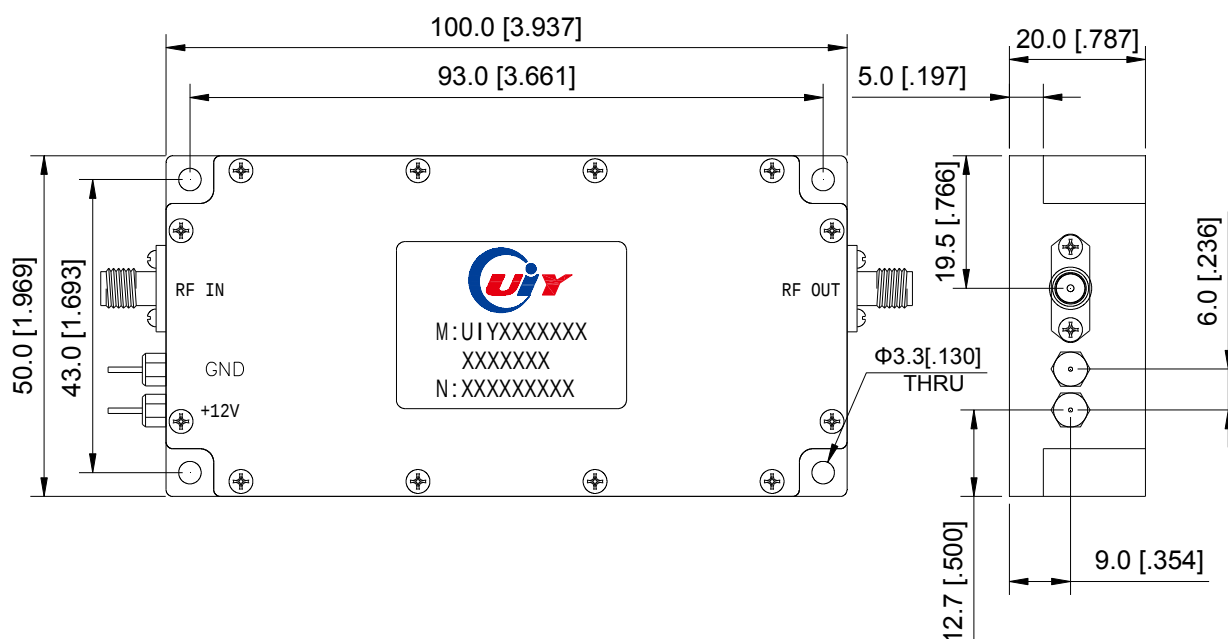
1 to 1000MHz – Power Amplifier

UIYPA10050A

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		30		dBm
Saturation Output Power		30			
Power Gain @CW	G		26		dB
Input Power	Pin		5		dBm
Gain Flatness	ΔG		±2.0		dB
Input VSWR	S11		2.0:1		
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	Ib		0.1		A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-55		+70	°C
Connector Type	Input SMA Female, Output SMA Female				
² Listed are specific frequency ranges and other ranges are available.					
² Please provide the below informations 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 ±0.2mm unless otherwise stated.

Ver. 5

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