

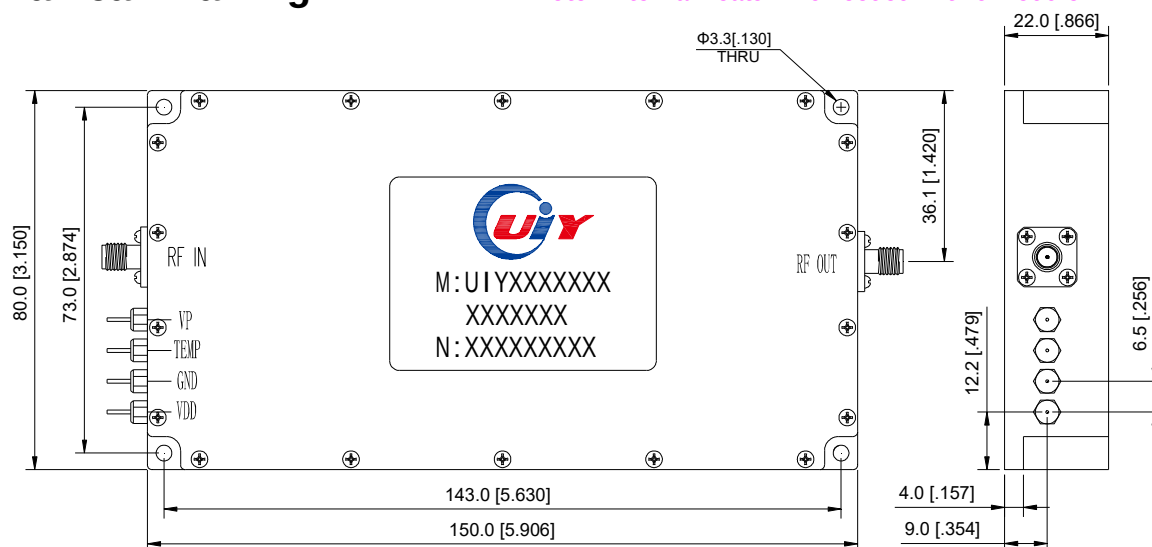
30 to 1000MHz 12W – Power Amplifier

UIYPA15080B30T1000SF

RF Characteristics @T=25°C, VDD=+13.8VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	30		1000	MHz
Power Output CW	Po	10	12		W
Saturation Output Power		15			
Power Gain @CW	G	40	45		dB
Input Power	Pin		-3	5	dBm
Gain Flatness	△G		±1.5	±2.0	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-15	-20		dBc
Even Harmonics @CW	H	-20	-25		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC	12	13.8	15	Volt
Current Consumption @Po=5W	Id		3.0	4	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 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 $\pm 2\%$ unless otherwise stated.

Ver. 5