

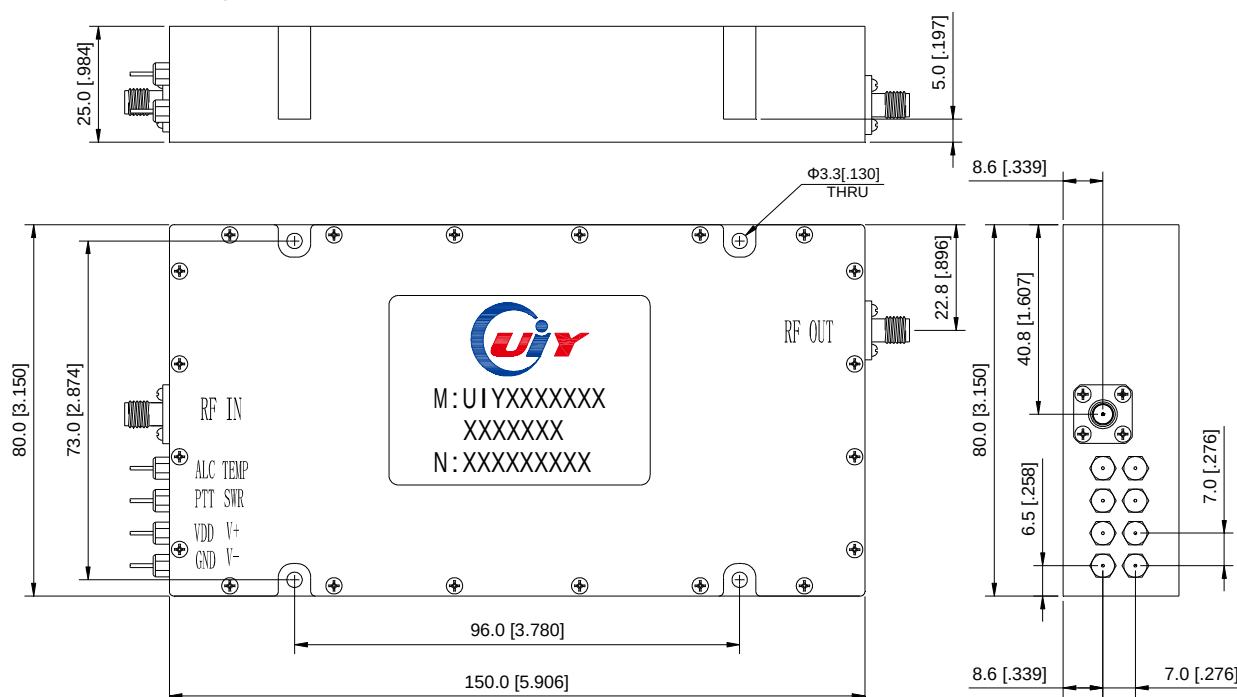
1 to 30MHz 60W – Power Amplifier

UIYPA15080A

RF Characteristics @T=25°C, VDD=+24VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	1		30	MHz
Power Output CW	Po	50	60		W
Saturation Output Power		80			
Power Gain @CW	G	45	47		dB
Input Power	Pin		0	5	dBm
Gain Flatness	ΔG		±1.0	±1.5	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-12	-15		dBc
Even Harmonics @CW	H	-25	-30		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		24	28	Volt
Current Consumption @Po=20W	Ib		4.5	5	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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