

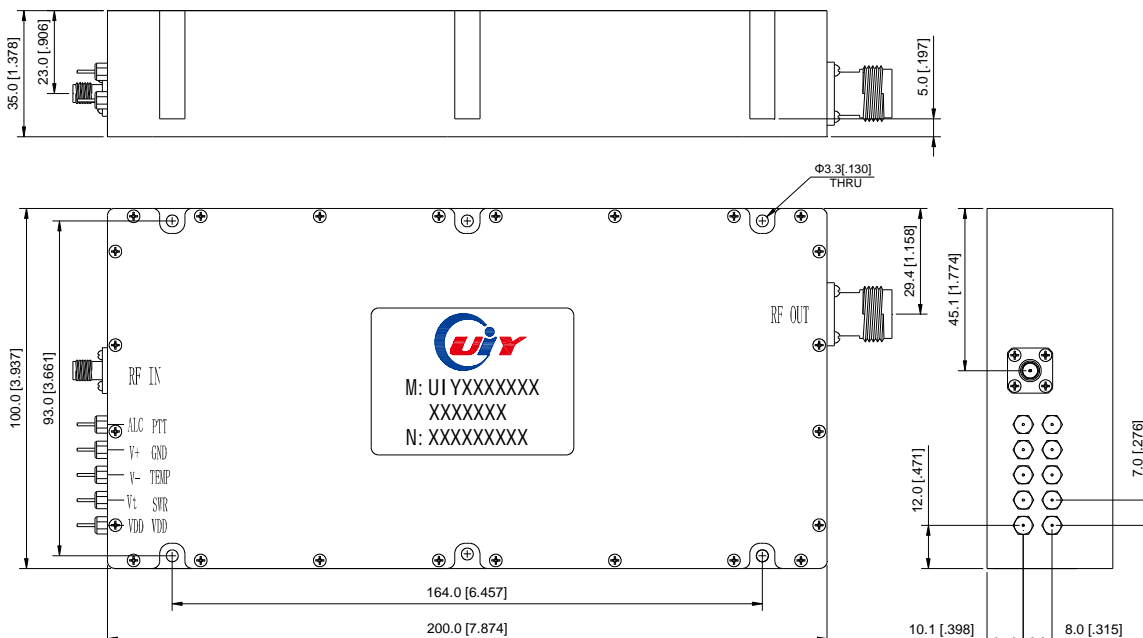
# 0.1 to 40MHz 120W – Power Amplifier

## UIYPA200100A01T40SFTNF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	0.1		40	MHz
Power Output CW	Po	100	120		W
Saturation Output Power		120			
Power Gain @CW	G	50	53		dB
Input Power	Pin		-3	0	dBm
Gain Flatness	△G		±1.5	±2.0	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-11	-15		dBc
Even Harmonics @CW	H	-20	-25		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		28	30	Volt
Current Consumption @Po=200W	I <sub>D</sub>		10	12	A
Operating Temperature	T <sub>c</sub>	-40		+60	°C
Storage Temperature	T <sub>stg</sub>	-55		+70	°C
Connector Type	Input SMA Female, Output N 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 ±2% unless otherwise stated.

Ver. 5

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