

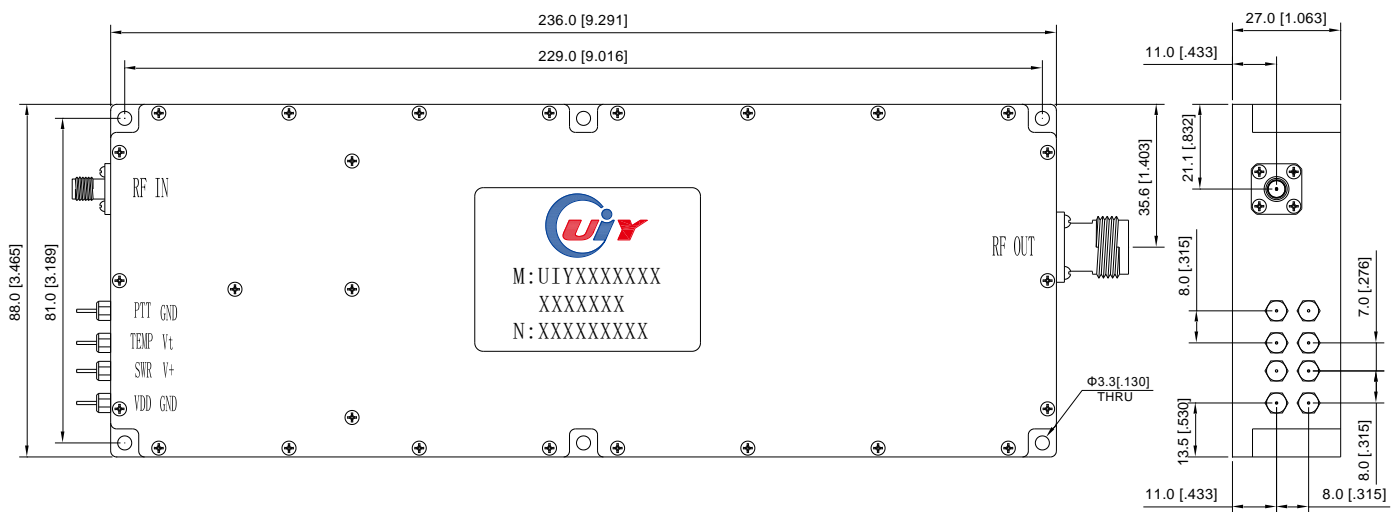
# 700 to 860MHz 100W – Power Amplifier

## UIYPA23688A700T860SFTNF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	700		860	MHz
Power Output CW	Po		100		W
Saturation Output Power					
Power Gain @CW	G		50		dB
Input Power	Pin		0		dBm
Gain Flatness	ΔG		±1.0		dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H		20		dBc
Even Harmonics @CW	H		20		dBc
Noise Figure	NF				dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		28		Volt
Current Consumption @Po=100W	Ib		7.5		A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-55		+70	°C
Connector Type	Input SMA Female, Output N Female				
<ul style="list-style-type: none"> <li>◇ Listed are specific frequency ranges and other ranges are available.</li> <li>◇ Please provide the below information when inquiring and mark * is required.                             <ul style="list-style-type: none"> <li>* 1. The specific pass band frequency range</li> <li>* 2. The specific Gain and Power</li> <li>* 3. Other special requests.</li> </ul> </li> </ul>					

### Mechanical Drawing

Note: External heatsink is needed in this module



Unit: mm/ inch, General part tolerance is ±2% unless otherwise stated.

Ver. 5