

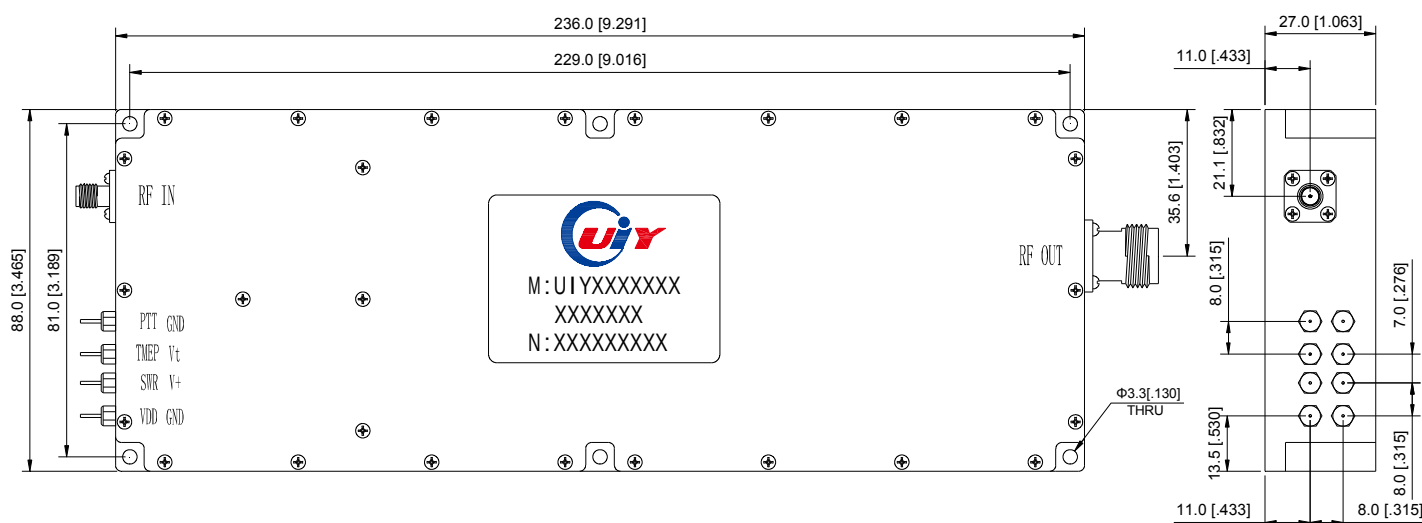
700 to 860MHz 100W – Power Amplifier

UIYPA23688A

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=20W	Ib		7.5		A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-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 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

A2-5G, Zhujiang Plaza, Longxiang Blvd, Longgang District, Shenzhen 518172, China.

Tel: +86-755-25999990 25999909 Fax: +86-755-25999959 E-mail: sales@uiy.com Web: www.uiy.com