

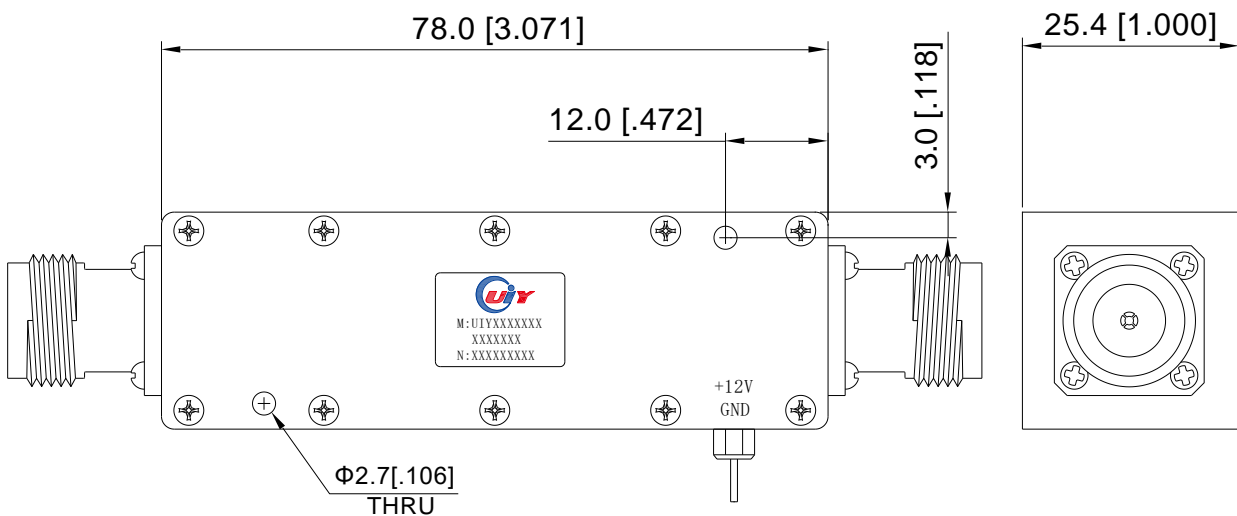
## 400 to 480MHz – Low Noise Amplifier

### UIYLNA7825C400T480NF

RF Characteristics @T=25°C, VDD=+12VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	400		480	MHz
Power Output CW	Po		0	5	dBm
Power Gain @CW	G	18	19	20	dB
Input Power	Pin		-10	-5	dBm
Gain Flatness	ΔG		±1.0	±1.5	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-15	-20		dBc
Even Harmonics @CW	H	-15	-20		dBc
Noise Figure	NF		1.0	1.5	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC	8	12	15	Volt
Current Consumption@ Po=-5dBm	I <sub>d</sub>		100	150	mA
Operating Temperature	T <sub>c</sub>	-40		+60	°C
Storage Temperature	T <sub>stg</sub>	-55		+70	°C

✧ Listed are specific frequency ranges and other ranges are available.  
 ✧ 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



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

Ver. 5.1