

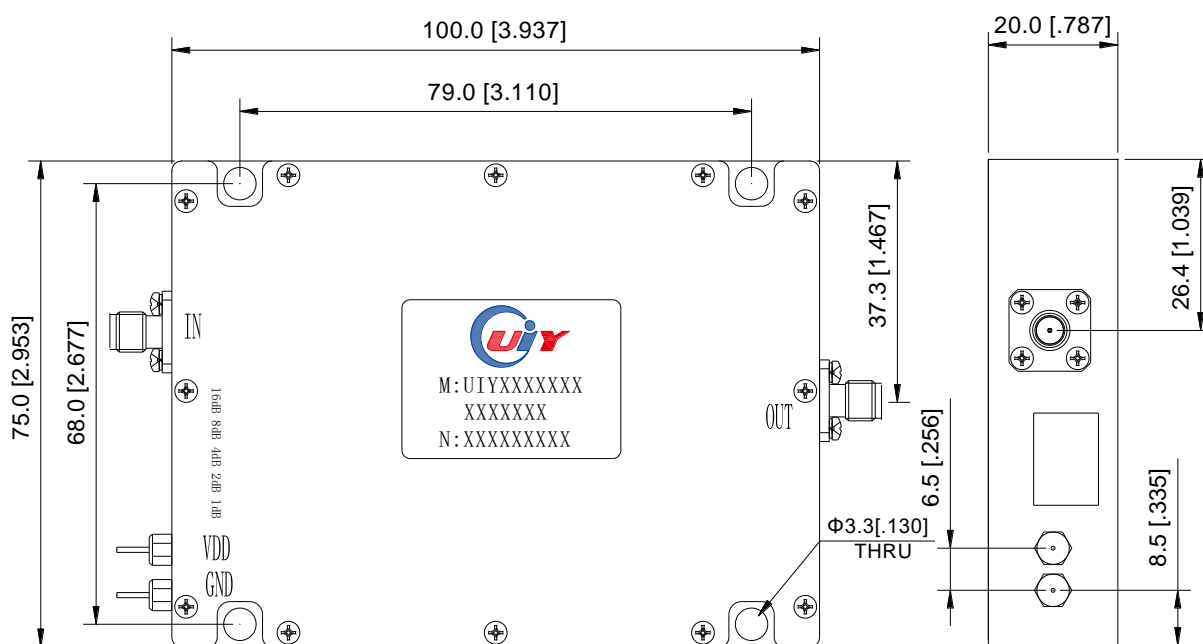
400 to 480MHz – UHF Power Amplifier

UIYPA10075A400T480SF

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		50		W
Saturation Output Power		50			
Power Gain @CW	G		38		dB
Input Power	Pin		10		dBm
Gain Flatness	ΔG		±1.0		dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H		15		dBc
Even Harmonics @CW	H		20		dBc
Noise Figure	NF				dB
Spurious Signals	Spur		60		dBc
Operating Voltage	VDC		12		Volt
Current Consumption @Po=50W	I _b		4		A
Operating Temperature	T _c	-40		+60	°C
Storage Temperature	T _{stg}	-55		+70	°C
Connector Type	Input SMA Female, Output SMA Female				
◇ Listed are specific frequency ranges and other ranges are available. ◇ 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 $\pm 2\%$ unless otherwise stated.

Ver. 5