

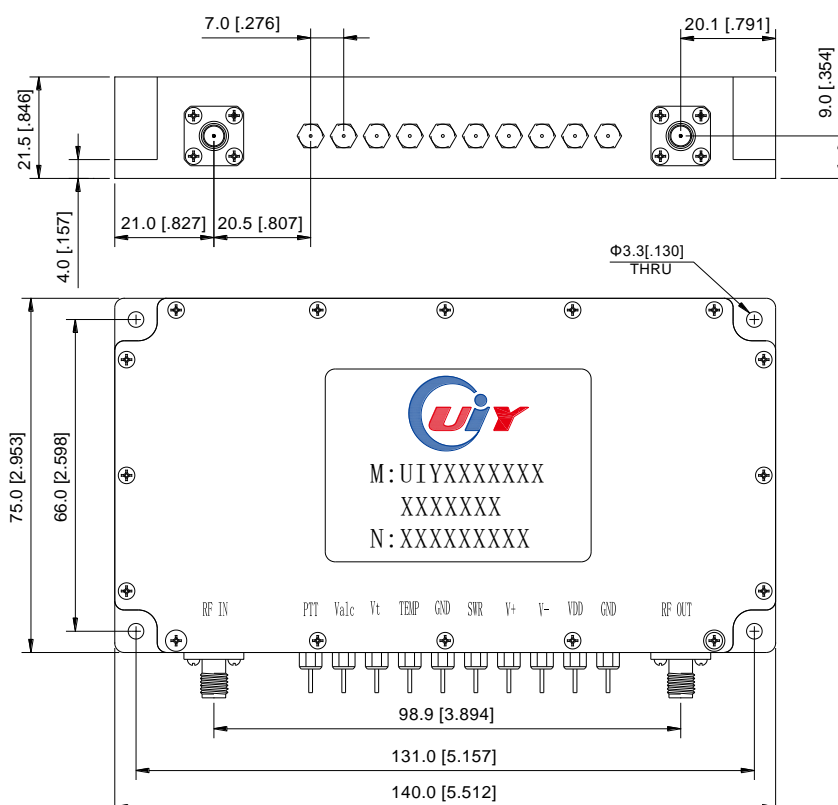
25 to 512MHz 60W – Power Amplifier

UIYPA14075A25T512SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	25		512	MHz
Power Output CW	Po	50	60		W
Saturation Output Power		80			
Power Gain @CW	G	47	50	52	dB
Input Power	Pin		0	5	dBm
Gain Flatness	ΔG		±1.5	±2.0	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-15	-20		dBc
Even Harmonics @CW	H	-30	-40		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		28		Volt
Current Consumption @Po=60W	I _b		6.0	7.5	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 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