

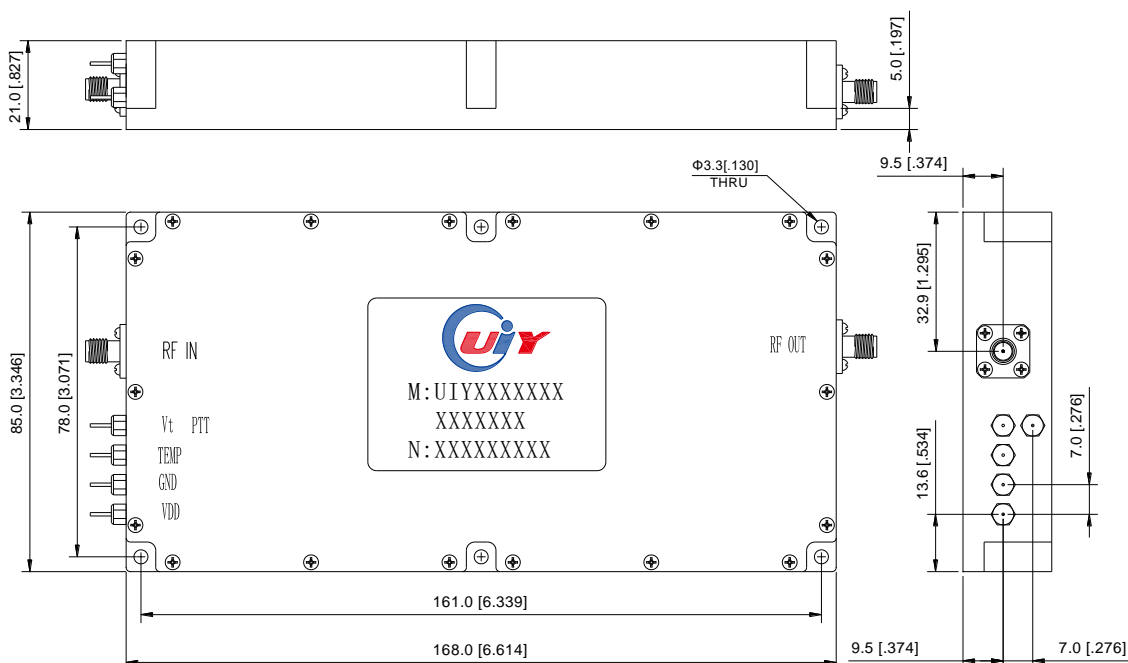
20 to 1000MHz 60W – Power Amplifier

UIYPA16885A20T1000SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	20		1000	MHz
Power Output CW	Po	50	60		W
Saturation Output Power		80			
Power Gain @CW	G	47	50		dB
Input Power	Pin		0	5	dBm
Gain Flatness	ΔG		±2.0	±2.5	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-12	-15		dBc
Even Harmonics @CW	H	-15	-25		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		28	32	Volt
Current Consumption @Po=50W	Ib		5.0	6.5	A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-55		+70	°C
Connector Type	Input SMA Female, Output SMA Female				
<ul style="list-style-type: none"> ◇ Listed are specific frequency ranges and other ranges are available. ◇ Please provide the below information when inquiring and mark * is required. <ul style="list-style-type: none"> * 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