

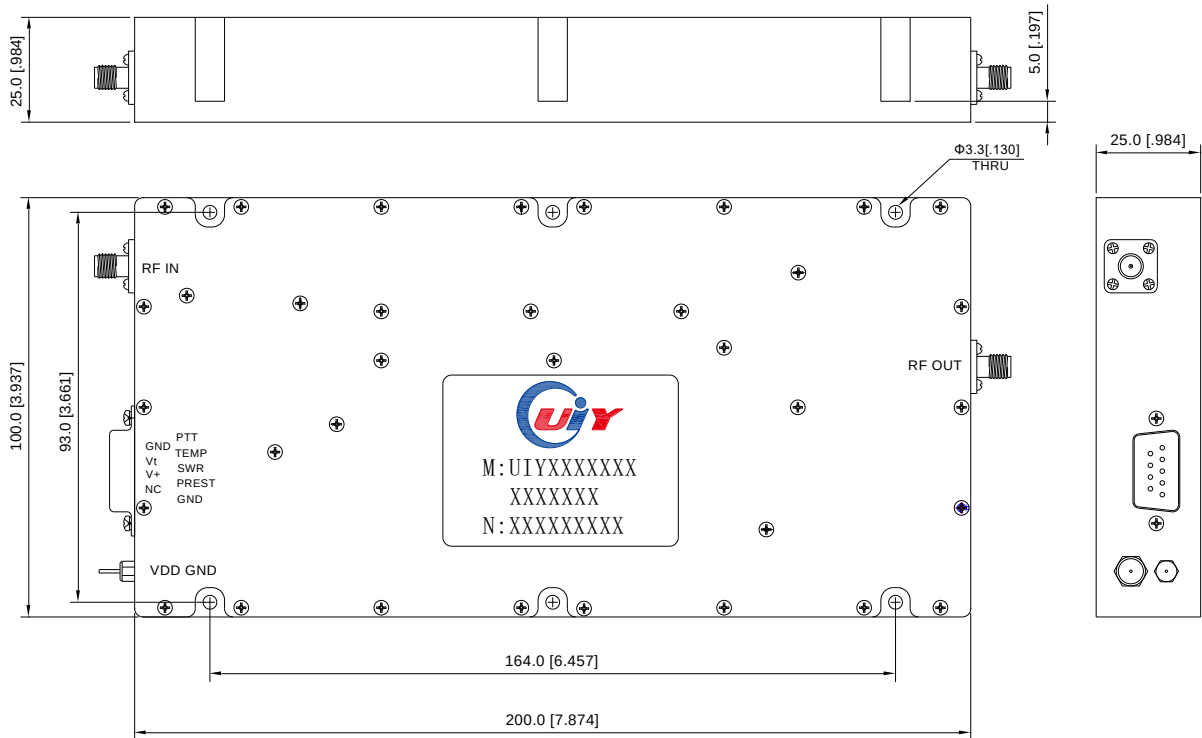
117 to 137MHz 100W – Power Amplifier

UIYPA200100D117T137SF

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	117		137	MHz
Power Output CW	Po	100	120		W
Saturation Output Power	Psat	120			W
Power Gain @CW	G	50	53		dB
Input Power	Pin		0	5	dBm
Gain Flatness	△G		±1.0	±1.5	dB
Input VSWR	S11		1.5:1		
Efficiency @CW	η	25%	30%		dB
Odd Harmonics @CW	H	-12	-15		dBc
Even Harmonics @CW	H	-15	-20		dBc
Noise Figure	NF		8	10	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC	24	28	30	Volt
Current Consumption @Po=100W	Id		10	12	A
Operating Temperature	Tc	-40		+60	°C
Storage Temperature	Tstg	-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