0.1 to 10MHz 300W – Power Amplifier

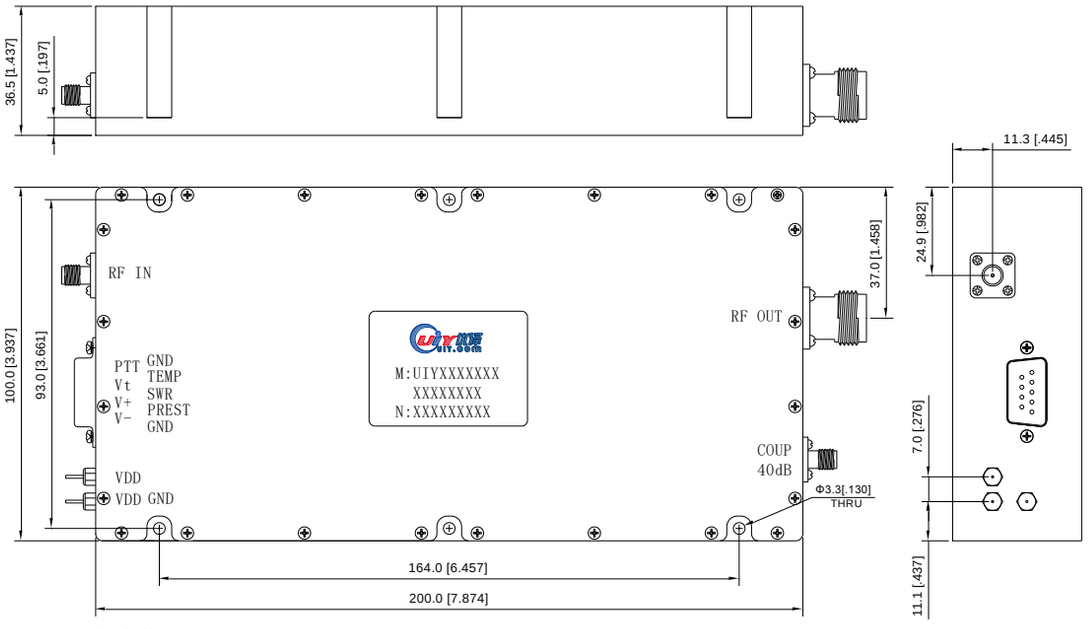
UIYPA200100G01T10SFTNF

RF Characteristics @T=25°C, VDD=+48VDC; 50Ω System					
Parameter	**Symbol**	**Min**	**Type**	**Max**	**Unit**
Operating Frequency	BW	0.1		10	MHz
Power Output CW	Po	250	300		W
Saturation Output Power		350			
Power Gain @CW	G	53	55		dB
Input Power	Pin		0	5	dBm
Gain Flatness	△G		±1.0	±1.5	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H		-11	-12	dBc
Even Harmonics @CW	H		-12	-15	dBc
Noise Figure	NF		5	6	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC		48	50	Volt
Current Consumption @Po=300W	I_D		12.0	13.0	A
Operating Temperature	Tc	-40		+60	**℃**
Storage Temperature	Tstg	-55		+80	**℃**
Connector Type	Input SMA Female, Output N 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.



GND: Grounding
PTT: High level work, low level or hanging on shutdown.
Temp: Over temperature protection, output high level at +70℃, PA shutdown.
SWR: VSWR output protection, output VSWR>3 or open circuit, output high level, PA shutdown.
Vt: PA Temperature, Vt=0.5V+TC×10mV/℃.
V+: Forward RF power Indicator.
V-: Reversed RF power Indicator.
Prest: Reset function, when it occurs protection, send a pulse signal, it can reset.
VDD: Working Voltage: +48V.

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

Ver. 5

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