

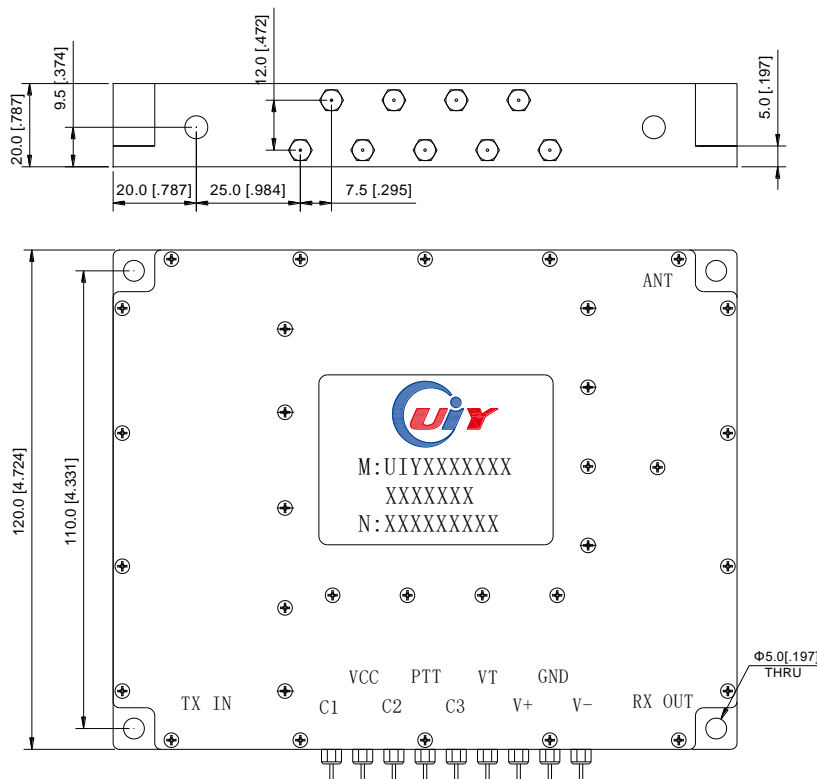
30 to 512MHz MCX – Power Amplifier

UIYPA150120A30T512MCX

RF Characteristics @T=25°C, VDD=+28VDC; 50Ω System					
Parameter	Symbol	Min	Type	Max	Unit
Operating Frequency	BW	30		512	MHz
Power Output CW	Po	10	15		W
Saturation Output Power		20			
Power Gain @CW	G	40	45		dB
Input Power	Pin		-3	5	dBm
Gain Flatness	ΔG		±1.5	±2.0	dB
Input VSWR	S11		1.5:1		
Odd Harmonics @CW	H	-60	-65		dBc
Even Harmonics @CW	H	-60	-65		dBc
Noise Figure	NF		6	8	dB
Spurious Signals	Spur		-60		dBc
Operating Voltage	VDC	12	14.4	18	Volt
Current Consumption @Po=5W	I _b		2.5	3	A
Operating Temperature	T _c	-40		+60	°C
Storage Temperature	T _{stg}	-55		+70	°C
Connector Type	MCX				
◇ 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