

MODEL HIPA05064050

5.4-6GHz Power Amplifier



Note: The photo is for illustration purposes only.
Please refer to outline drawing

■ Features

- Ultra Wide Band: 5.4-6.0GHz
- Gain: 40dB
- Output Power Psat: 50dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

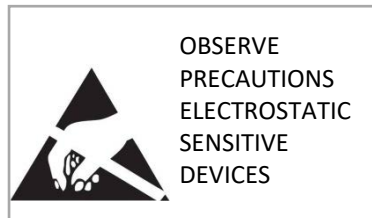
Parameter	Min.	Typ.	Max	Units
Frequency Range	5.4-6.0			GHz
Small Signal Gain	40			dB
Power Gain Flatness		± 1	± 1.5	dB
Input /Output VSWR		1.5	2.0	-
Output Power for 1 dB Compression (P1dB)		47		dBm
Saturated Output Power (Psat)	50			dBm
Input Max Power(no damage)			15	dBm
Internally Generated Spurious	-60			dBc
DC Current (Vcc=+28V) (@Pout=100W)		10	13	A
Impedance	50			Ω
Control Connector DB9	Pin: 1,2,3,4,VD; 6,7,8,9 GND			
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	1500g			
Dimension	300X220X70mm With Heatsink and Fan			

Environmental Conditions

Operational Temperature	-35°C~+70°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

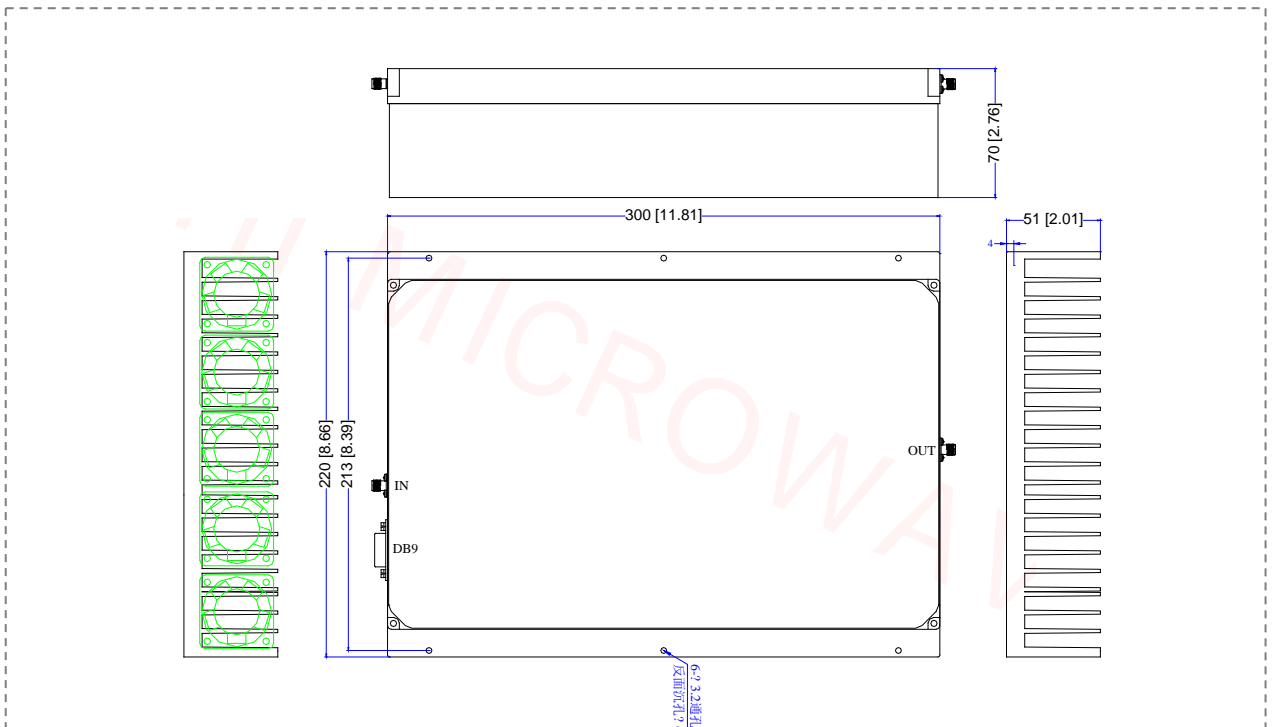
Absolute Maximum Ratings

Supply Bias Voltage	+32V
RF INPUT POWER	+15dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



*****Heat Sink required during operation*****