

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

■ Features

- Ultra Wide Band: 5.17-5.25GHz
- Gain: 60dB
- Output Power Psat: 48dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	5.17-5.25			GHz
Small Signal Gain	59	60		dB
Gain Flatness		±1	±1.5	dB
Input VSWR		1.5	2.0	dB
Output Power for 1 dB Compression (P1dB)	47	47.5		dBm
Saturated Output Power (Psat)		48		dBm
Harmonic Rejection	13	15		dB
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+28~30V) (@Pout=50W)		4000	5000	mA
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	700g			
Package Sealing	General Sealing (Standard)			

Environmental Conditions

Operational Temperature	-30°C~+70°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-45°C~+85°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	+5dBm
ESD sensitivity (HBm)	Class 0, passed 150V

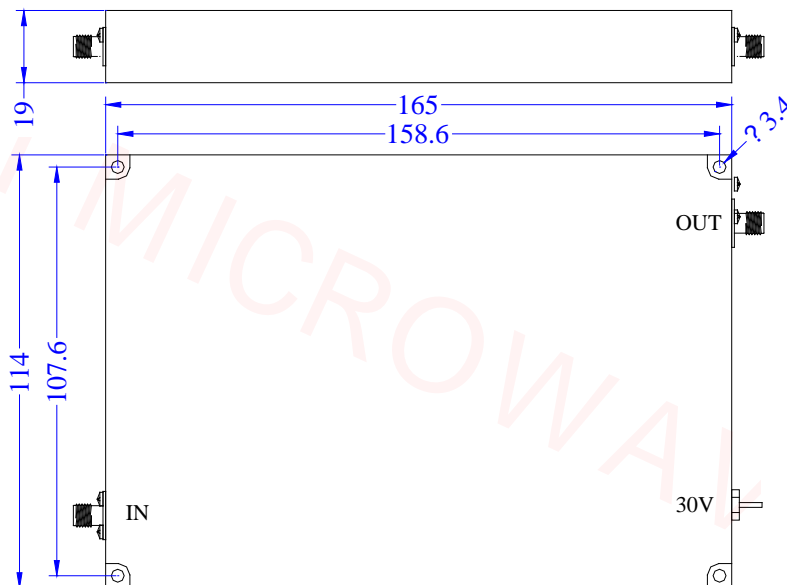


OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES



Outline Drawing

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



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

MODEL HIPA05056048

5.17-5.25GHz Power Amplifier

