

MODEL HIPAT4T95353

0.4-0.9GHz 200W Power Amplifier



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

■ Features

- Ultra Wide Band: 0.4-0.9GHz
- Gain: 55dB
- Output Power P-1: 53dBm
- Bias: Vd= 28V; Id= 25A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

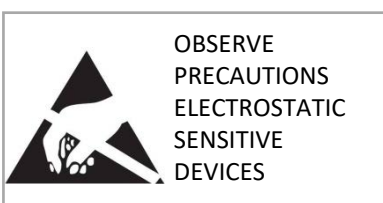
Parameter	Min.	Typ.	Max	Units
Frequency Range	0.4-0.9			GHz
Small Signal Gain	53	55		dB
Gain Flatness		±1.5		dB
Input VSWR			2	-
Output Power for 1 dB Compression (P1dB)	53			dBm
Saturated Output Power (Psat)	54			dBm
Input Max Power(no damage)			+10	dBm
Internally Generated Spurious		-60		dBc
DC Current (Vcc=+ 28V) (@Pout= 200W)		25		A
Impedance	50			Ω
Input/ Output Connector	SMA-k/N-K			
Material	Aluminum			
Finishing				
Weight	-			
Dimension	(330mm*200mm*25mm)(No radiator)			

Environmental Conditions

Operational Temperature	-45°C~+85°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

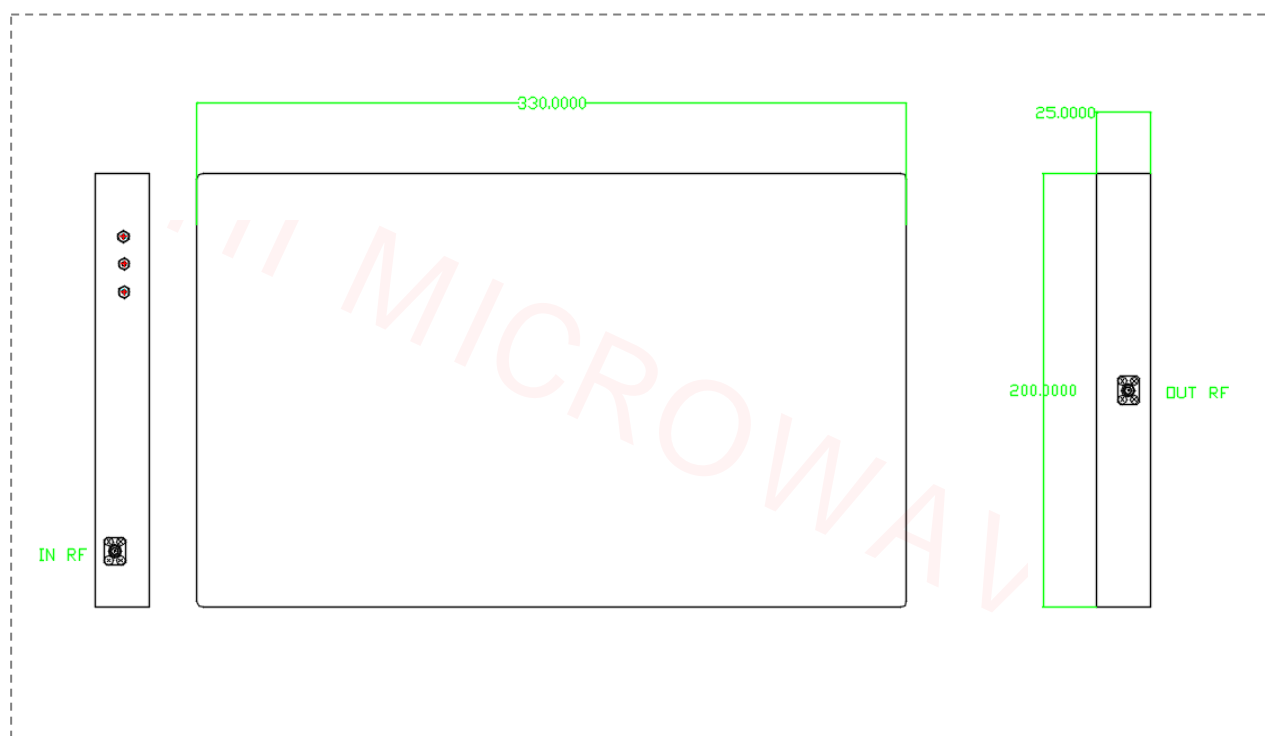
Absolute Maximum Ratings

Supply Bias Voltage	+30V
RF INPUT POWER	+10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

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



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