

MODEL HIPA08184037AC

8-18GHz Power Amplifier



■ Features

- Ultra Wide Band: 8-18GHz
- Gain: 40dB
- Output Power Psat: 37dBm
- Bias: 110~220V/50~60Hz

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	8-18			GHz
Small Signal Gain	40			dB
Gain Flatness		±2.5	±3.5	dB
Input VSWR		1.5	2.0	-
Output Power for 1 dB Compression (P1dB)	35	36		dBm
Saturated Output Power (Psat)	37	38		dBm
Harmonic Rejection		15		dB
Input Max Power(no damage)			+5	dBm
Internally Generated Spurious		-60		dBc
Supply Voltage	110~220V/50Hz			
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	1.5kg			

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	
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)

