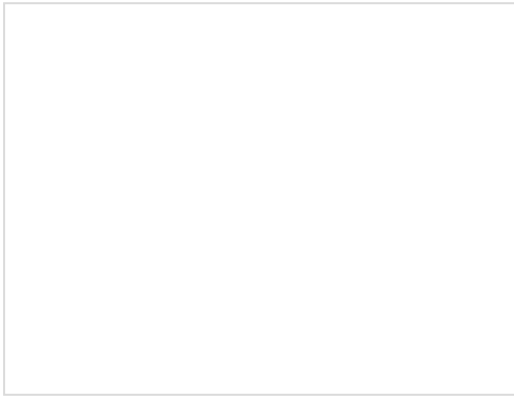




# MODEL HIPA06185550AC 6-18GHz Broadband Power Amplifier



## ■ Features

- Ultra Wide Band: 6-18GHz
- Gain: 60dB
- Output Power Psat: 50dBm

## ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

## □ Electrical Specifications

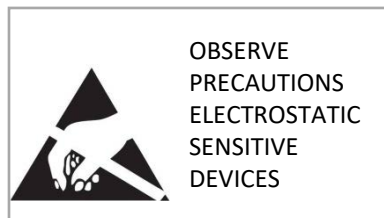
Parameter	Min.	Typ.	Max	Units
Frequency Range	6-18			GHz
Small Signal Gain	55	58		dB
Gain Flatness		±2.5		dB
Input VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)		47		dBm
Saturated Output Power (Psat)	50			dBm
Input Max Power(no damage)			+5	dBm
Noise Power Density (-40 dBm/MHz)			-37	dBm
Internally Generated Spurious		-60		dBc
Impedance	50			Ω
Supply Power	220~240 AC			
Input Output Connector	SMA-K			
Material	Aluminium			
Dimension	5UX19 inches Box			
Note: Over Temperature Protection; VSWR Protection; fan cooling				

### Environmental Conditions

Operational Temperature	-30°C~+55°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	AC
RF INPUT POWER	+5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



### Outline Drawing

All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )

