

# MODEL HIPA18402526AC

## 18-40GHz Power AC Amplifier



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

### ■ Features

- Ultra Wide Band: 18-40GHz
- Gain: 25dB
- Output Power: 26dBm
- High Output IP3: 36dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	18-40			GHz
Gain	20	25		dB
Gain Flatness		±2	±3	dB
Input VSWER		1.7	2.5	-
Output VSWR		1.7	2.5	-
Output Power for 1 dB Compression (P1dB)	25	26		dBm
Output Power Past	26			dBm
Output IP3		36		dBm
Input Max Power(no damage)			5	dBm
AC	110~220/50Hz			
Impedance	50			Ω
Input Output Connector	2.92-k			
Material	Aluminium			
Weight	1000g			
Package Sealing	General Sealing (Standard)			

### Environmental Conditions

<b>Operational Temperature</b>	-45°C~+85°C	<b>Vibration</b>	25g rms (15 degree 2KHz) endurance, 1 hour per axis
<b>Storage Temperature</b>	-55°C~+125°C	<b>Shock</b>	20G for 11msc half sin wave, 3 axis both directions
<b>Executive Standard</b>	MIL-STD-810G	<b>Humidity</b>	100% RH at 35c, 95%RH at 40°C

### Absolute Maximum Ratings

<b>Supply Bias Voltage</b>	
<b>RF INPUT POWER</b>	5dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V



OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



### Outline Drawing

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

