



HA1001

General Description

The HA1001 is a low noise amplifier for general purpose applications.

The high gain, low noise figure and high output power makes this devices an ideal choice for an input stage amplifier in the frequency range from 1.0GHz to 1.5GHz.

The device operates from -40°C to $+85^{\circ}\text{C}$ with a low power consumption of 1.2W.

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	1.0		1.5	GHz
Gain	27.0	29.0		dB
Gain Flatness		± 0.6		dB
Noise Figure@+25°C		1.6	1.9	dB
Power Output@P _{1dB}	18.0	19.0		dBm
Input VSWR			2 : 1	
Output VSWR			2 : 1	
Temperature Range	-40		+85	°C
DC Voltage	8.0		12.0	V
DC Current			150.0	mA
Package	M101			
Size	55 x 32 x 11			mm

Rev. 1.0