

**HA6007**

General Description

The HA6007 is a integrated GaAs high gain, low noise amplifier covering the frequency range from 10GHz to 13GHz.

Low noise, high gain and high output power makes this device an ideal choice as an input amplifier for frontend applications. The gain control input allows operation at different gain values.

The device operates from -40°C to $+85^{\circ}\text{C}$.

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	10.0		13.0	GHz
Gain		41.0		dB
Gain Flatness		± 1.0		dB
Gain Control		15		dB
Power Output@P _{1dB}	15.0	17.0		dBm
Input VSWR		2.0:1		
Output VSWR		2.0:1		
Temperature Range	-40		+85	$^{\circ}\text{C}$
Ctrl Voltage	-1.0		+1.0	V
DC Voltage		+5.0/-5.0		V
DC Current		380/10		mA
Package	M202			
Size	18 x 18 x 8			mm

Rev. 1.0

No Enduser Statement, No ITAR