



<b>HA6009</b>
---------------

## General Description

The HA6009 is a integrated driver amplifier for X-Band applications.

The high gain and high output power makes this device an ideal pre-amplifier in the frequency range from 9.0GHz to 10.0GHz.

The device operates from  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	9.0		10.0	GHz
Gain	23.0	24.0	27.0	dB
Gain Flatness		$\pm 0.6$		dB
Power Output@P <sub>1dB</sub>		16.0		dBm
Power Output@P <sub>sat</sub>	16.0	17.5		dBm
Input Reflection		-12.0	-10.0	dB
Output Reflection		-14.0	-10.0	dB
Temperature Range	-40		+70	$^{\circ}\text{C}$
DC Voltage		+12.0		V
DC Current		200.0		mA
Package		M101		

Rev. 1.0