



HA6008

General Description

The HA6008 is an integrated driver amplifier for X-Band applications.

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

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

Electrical Performance

Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	9.0		10.0	GHz
Gain	13.0	14.0		dB
Gain Flatness		± 0.7		dB
Power Output@P _{sat}	16.0	17.5		dBm
Input Reflection		-12.0	-10.0	dB
Output Reflection		-12.0	-10.0	dB
Temperature Range	-40		+70	°C
DC Voltage		+12.0		V
DC Current		100.0		mA
Package		M101		

Rev. 1.0