

HA6005

General Description

The HA6005 is a integrated power amplifier for applications in X-Band.

The moderate gain and high output power makes this device an ideal choice as power driver amplifier in the frequency range from 9.0GHz to 11.0GHz.

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

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	9.0		11.0	GHz
Gain		19.0		dB
Gain Flatness		± 2.0		dB
Power Output@P _{sat}	36.0	36.5		dBm
Input Reflection		-10.0		dB
Output Reflection		-10.0		dB
Operating Temperature Range	-40		+70	°C
DC Voltage		+12.0/-5.0		V
DC Current		2500.0		mA
Package	t.b.d.			

Rev. 1.0

Base Plate Temperature $<70^{\circ}\text{C}$ required