


HA6013

General Description

The HA6013 is a high power amplifier for applications in Ku-Band.

The moderate gain and high output power makes this device an ideal choice as a high power amplifier for transmitters in the frequency range from 17.0GHz to 18.0GHz.

Optional higher gain, protection circuits, temperature and output power monitor available.

The device operates from -10°C to $+50^{\circ}\text{C}$.

Electrical Performance

Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	17.0		18.0	GHz
Gain		20.0		dB
Gain Flatness		± 1.0		dB
Power Output@P _{sat}	39			dBm
Input Reflection			-10	dB
Output Reflection			-10	dB
Temperature Range	-20		+50	$^{\circ}\text{C}$
DC Voltage		+12.0		V
DC Current			8.0	A
Package	145mm x 105mm x 30mm			

Rev. 1.0

Base Plate Temperature $<50^{\circ}\text{C}$ required