



<b>HA6013</b>
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## 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  $-10^{\circ}\text{C}$  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		$\pm 1.0$		dB
Power Output@P <sub>sat</sub>	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**