



<b>HA6011/4</b>
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## General Description

The HA6011/4 is a high power amplifier modul for applications in Ku-Band.

The high gain and high output power makes this device an ideal choice as a high power amplifier for transmitters in the frequency range from 8.0GHz to 12.0GHz. It includes a power monitor output for transmitted power, temperature sensor, reverse polarity and output short circuit protection.

The device operates from  $-10^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .

## Electrical Performance

Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	8.0		12.0	GHz
Gain		40.0		dB
Gain Flatness		$\pm 1.0$		dB
Power Output@P <sub>2dB</sub> 8.0GHz – 9.0GHz	2.5	2.8		W
Power Output@P <sub>2dB</sub> 9.0GHz – 12.0GHz	3.8	4.0		W
Input Reflection			-10	dB
Output Reflection			-10	dB
Temperature Range	-10		+40	$^{\circ}\text{C}$
DC Voltage		+12.0		V
DC Current			4.0	A
Package	145mm x 105mm x 30mm			

Rev. 1.0

**Base Plate Temperature  $<40^{\circ}\text{C}$  required**