



<b>HA6014</b>
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## General Description

The HA6014 is a 8W Ku-Band amplifier for high power applications.

The moderate gain and the high output power makes this device an ideal choice as a power amplifier for transmitter applications.

The device operates from  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	17.0		18.0	GHz
Gain		20		dB
Gain Flatness		$\pm 1$		dB
Power Output@P <sub>sat</sub>	39.0			dBm
Input VSWR			2:1	
Output VSWR			2:1	
Operating Temperature	-20		+50	$^{\circ}\text{C}$
DC Voltage		-5V/9.0		V
DC Current		0.1/7.5		A
Size	50 x 40 x 8 (tbd)			mm

**HEAT SINK REQUIRED T<sub>max</sub>=50°C**

Rev. 1.0