



<b>HA6001</b>
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## General Description

The HA6001 is a broadband amplifier for applications up to Ku-Band.

The high gain, good flatness and low noise figure makes this device an ideal choice as a low noise driver amplifier in the frequency range from 5.0GHz to 15.0GHz.

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

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	5.0		15.0	GHz
Gain	12.0	16.0		dB
Gain Flatness		$\pm 0.2$		dB at BW 36MHz
		$\pm 0.5$		dB at BW 500MHz
Noise Figure		4.0	5.0	dB
Power Output@P <sub>1dB</sub>	5.0	10.0		dBm
Input VSWR		1.8:1	2.0:1	
Output VSWR		1.8:1	2.0:1	
Temperature Range	-40		+70	°C
DC Voltage	8.0	12.0	15.0	V
DC Current		150.0		mA
Package	M203			
Size	18 x 18 x 8			mm

Rev. 1.0