

**HA6004**

General Description

The HA6004 is a broadband power amplifier for applications up to Ku-Band.

The high gain and high output power makes this device an ideal choice as power driver amplifier in the frequency range from 8.0GHz to 18GHz.

The device operates from -40°C to $+85^{\circ}\text{C}$.

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	8.0		18.0	GHz
Gain		20.0		dB
Gain Flatness		± 2.0	± 3.0	dB
Gain Flatness@P _{sat}		± 1.0	± 2.0	dB
Power Output@P _{sat}	32.0	33.0		dBm
Power@Input _{max}			24.0	dBm
Input Reflection		-10.0	-8.0	dB
Output Reflection		-6.0	-5.0	dB
Operating Temperature Range	-40		+85	$^{\circ}\text{C}$
DC Voltage		+15.0		V
DC Current		1300.0		mA
Package	M202			
Size	18 x 18 x 8			mm

Rev. 1.0