



HA6003

General Description

The HA6003 is a broadband X-band amplifier.

The high gain and low noise makes this device an ideal choice as a pre-amplifier in the frequency range from 6GHz to 13GHz.

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

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	6.0		13.0	GHz
Gain		24.0		dB
Gain Flatness		± 1.0		dB
Noise Figure		2	2.5	dB
Power Output@P _{1dB}		10.0		dBm
Input Reflection		-18.0	-10.0	dB
Output Reflection		-18.0	-10.0	dB
Temperature Range	-40		+85	$^{\circ}\text{C}$
DC Voltage		+5 / -5		V
DC Current		65.0		mA
Package	M206			
Size	18 x 18 x 8			mm

Rev. 1.0