



HA7002

General Description

The HA7002 is an ultra wideband, low noise amplifier uwb applications up to 26.5GHz.

The high gain, good flatness and low noise power makes this device an ideal choice as a broadband low noise amplifier. The device operates from -30°C to $+70^{\circ}\text{C}$.

Electrical Performance

Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	4.0		26.5	GHz
Gain	20	23		dB
Gain Flatness		± 2.0		dB
Outputpower @P _{1dB}		10.0		dBm
Noise Figure		4.5		dB
Input Reflection		-12.0	-10.0	dB
Output Reflection		-12.0	-10.0	dB
Operating Temperature Range	-30		+70	$^{\circ}\text{C}$
DC Supply		+7V/100mA -5V/10mA		Pos.Voltage max.=12V
Package	M202			
Size	18 x 18 x 8			mm

Heat sink <70°C required

Date: 30/06/2005, Rev. 1.0