


**HA5002**

## General Description

The HA5002 is a X-Band amplifier.

The high gain and moderate output power makes this device an ideal choice for a driver amplifier in the frequency range from 9.0GHz to 10.0GHz.

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

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	9.0		10.0	GHz
Gain	23.0	25.0		dB
Gain Flatness		$\pm 0.5$	$\pm 0.7$	dB
Power Output@P <sub>1dB</sub>		10.0		dBm
Input VSWR		1.8:1	2.0:1	
Output VSWR		1.8:1	2.0:1	
Temperature Range	-40		+85	$^{\circ}\text{C}$
DC Voltage	10.0	12.0	14.0	V
DC Current		110.0		mA
Package	M101			
Size	55 x 32 x 11			mm

Rev. 1.0