



<b>HA7001</b>
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## General Description

The HA7001 is an amplifier for driver applications in the 24GHz range.

The moderate gain, good flatness and high output power makes this device an ideal choice as a driver amplifier for Q-Band applications. The device operates from  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	21.0		30.0	GHz
Gain	12	15		dB
Gain Flatness		$\pm 1.0$		dB
Power Output@P <sub>1dB</sub>	18.0	20.0		dBm
Power Output@P <sub>sat</sub>		23.0		dBm
Input Reflection		-10.0	-6.0	dB
Output Reflection		-12.0	-10.0	dB
Operating Temperature Range	-20		+60	$^{\circ}\text{C}$
DC Voltage		$\pm 5$		V
DC Current		200.0		mA
Package	M202			
Size	18 x 18 x 8			mm

Rev. 1.0