



HA8002

General Description

The HA8002 is a K-Band amplifier for applications in the 30GHz range.

The high gain, good flatness and high output power makes this device an ideal choice as a driver amplifier in the frequency range from 29.6GHz to 30.2GHz.

The device operates from -10°C to $+55^{\circ}\text{C}$ with a single supply voltage.

Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	29.6		30.2	GHz
Gain	33	35		dB
Gain Flatness		± 0.75	± 1	dB
Gain Variation over Temp		± 1.5		
Power Output@P _{1dB}	30.0	31.0		dBm
IMR3@15.5dBm SCL		-34.5		dBc
Input VSWR		2:1		
Output VSWR		2:1		
Operating Temperature	-10		+55	$^{\circ}\text{C}$
DC Voltage		+8.0/-5.0V		V
DC Current		t.b.d		mA
Package		M201		
Size		31 x 29 x 8		mm

Rev. 1.1