

<b>HA5004</b>
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## General Description

The HA5004 is a C-band power amplifier which covers the frequencies from 5.3 to 5.9 GHz with a gain of 28 dB and an output power of 1 Watt.

The amplifier uses a single supply voltage, is DC regulated and has reverse polarity protection and over heat protection.

## Electrical Performance

Typical Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	5.3		5.9	GHz
Small Signal Gain		28.0		dB
Gain Flatness		± 1	± 1.5	dB
Power Output@P <sub>1dB</sub>	+30	+31		dBm
Input VSWR		1.5 : 1	2 : 1	
Output VSWR		1.5 : 1	2 : 1	
Temperature Range	0		+55	°C
DC Voltage	11.5	12.0	13.0	V
DC Current		0.9		A
Connectors	SMA female			
Size (without heat sink)	100 x 70 x 25			mm

Note: Cold plate required.

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