



## Applications

- General Purpose Buffer Amplifier
- Laboratory Testing
- Front Ends
- COFDM/CDMA
- Broadcast Industry
- OEM Equipment/System Builders

## Features

- High Linearity
- Low Noise
- Dual power feed options:
  - 6-12V DC
  - Phantom Power

- On board regulator
- Power Status LED
- SMA Connectors
- Mounting Holes

## Description

A range of Gain Block Amplifier modules which are available to cover bands from 60MHz to 2.17GHz. These modules are ideal for use as general purpose buffer amplifiers and general laboratory test equipment where high performance is essential.

The modules are available with external dc feed, or 'phantom' dc power feed via the RF OUT connector. A built-in voltage regulator makes these modules extremely easy to use, allowing them to be powered from any suitable unregulated power source in the range 6V to 12V dc. An LED indicates power present.

The modules incorporate a small mounting plate which provides heat-sinking and mounting platform if desired.

## Generic Specification

CRITERIA	LIMITS	NOTES
Physical Dimensions	L (49mm) X W(22.50mm) X H(10mm)	Including end launch SMA connectors
Operating Voltage	Min 6V, Max 14V	Mounting to suitable heatsink may be required at higher operating voltages
Operating Temperature	85 degC	Maximum Base plate temperature
Mounting Holes	2.5mm	Suitable for M2.5 Bolt with 5mm Head

## Module Specifications

### Gain Block Amps GBAs

Product Code	Fo (MHz)	BW (MHz)	F1 (MHz)	F2 (MHz)	Gain (dB)	Flatness (+/-dB)	N.F (dB)	P1dB (dBm)	OIP3 (dBm)	S <sub>11</sub> (dB)	S <sub>22</sub> (dB)	Vd (V)	Id (mA)	Pd (mW)	CDMA (dBm)
GBA1-230-340-20	230	340	60	400	20	1.0	1.9	21	34	-13	-7	6	160	960	16
GBA1-600-400-18	600	400	400	800	18	1.0	1.4	19	32	-15	-8	6	100	600	14
GBA1-600-400-18	600	400	400	800	18	1.0	1.3	21	34	-15	-8	6	160	960	16
GBA1-892-136-18	892	136	824	960	18	0.5	1	20	32	-17	-11	6	90	540	14
GBA1-892-136-18.5	892	136	824	960	18.5	0.5	1	20	35	-17	-11	6	160	960	15
GBA1-1810-120-14.5	1810	120	1750	1870	14.5	0.5	1.1	20	33	-17	-12	6	90	540	14.5
GBA1-1810-120-15	1810	120	1750	1870	15	0.5	1.2	21.5	36	-17	-12	6	160	960	15.5
GBA1-2045-250-14	2045	250	1920	2170	14	0.5	1.2	20	33	-15	-12	6	90	540	14.5
GBA1-2045-250-14.5	2045	250	1920	2170	14.5	0.5	1.3	21.5	36	-15	-12	6	160	960	15.5

We are continuously extending our product range, so if you cannot see a suitable module please contact us for a more up to date product list.

For further information and pricing please contact us at:

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