

# Broadband low noise amplifier

# BBA1-sma

## 20MHz to 2500MHz

### Features

- PCB sub assembly
- very flat gain from 20MHz to 2.5GHz, 50 ohm
- 9v – 15v DC with reverse polarity protection

### Applications

- VHF/UHF
- receiver preamplifier
- use with splitter for distribution to multiple receivers

### Electrical specification at 20°C

model	Frequency (MHz)		Gain (dB)	Noise figure (dB)	Gain flatness (±dB)	-1dB compression (dBm)	DC power	
	min	max					V	mA
BBA1-sma	20	2500	>20	<4	< 0.7	>+12	+9 to 15	<55

### Continental Compliance Ltd

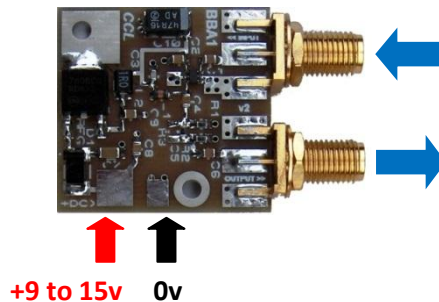
Registered in England and Wales No 2856093  
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Application notes available at [www.rfdesignuk.com](http://www.rfdesignuk.com)

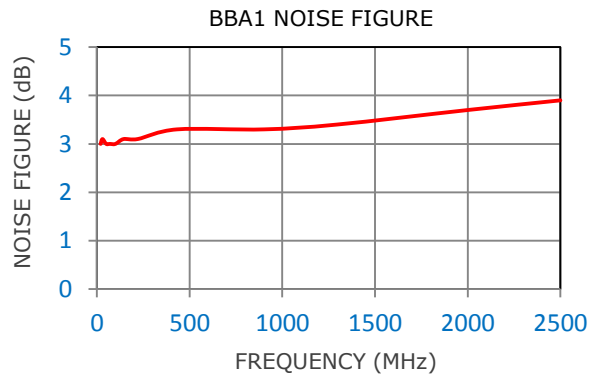
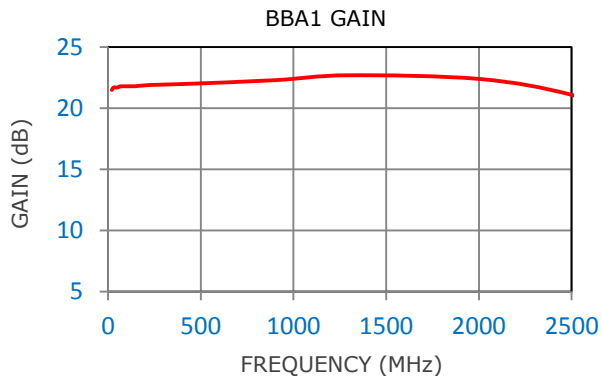
## Maximum ratings

Storage temperature	-30°C to +70°C
Operating temperature	-10°C to +50°C
DC Voltage	+16.0V
Input port power	+20dBm

PCB dimensions: 30mm by 30mm



Typical measured performance from production sample:



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