

Broadband low noise amplifier

BBA3-sma

50MHz to 2000MHz

Features

- PCB sub assembly
- LNA with very low noise figure **and** flat high broadband gain
- sub 1dB NF sensitivity from RXs up to 10dB NF, 50MHz through 1420MHz
- 11v – 15v DC with reverse polarity protection

Applications

- VHF/UHF
- wideband receiver pre-amplifier with exceptional noise floor

Electrical specification at 20°C

model	Frequency (MHz)		Gain (dB)	Noise figure 50 to 1420MHz (dB)	Gain flatness (±dB)	-1dB compression typical (dBm)	DC power	
	min	max					V	mA
BBA3-sma	50	2000	>30	<1	<2	>+5	+11 to 15	<150

Continental Compliance Ltd

Registered in England and Wales No 2856093

27 Weelsby Way, Hessle, East Yorkshire. HU13 0JN, UK.

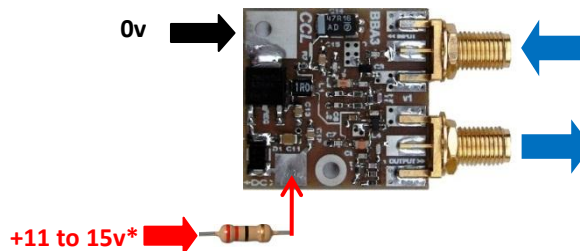
Telephone +44 (0)1482 629270.

Application notes available at 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

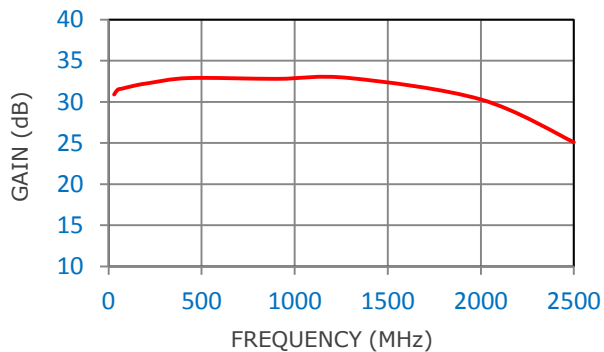
PCB dimensions: 30mm by 30mm



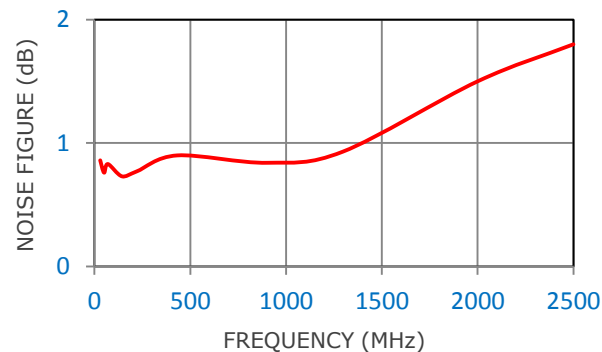
* use the supplied 22R 1W resistor in series with the positive supply.

Typical measured performance from production sample:

BBA3 GAIN



BBA3 NOISE FIGURE



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