

## 100kHz to 5000MHz

### Features

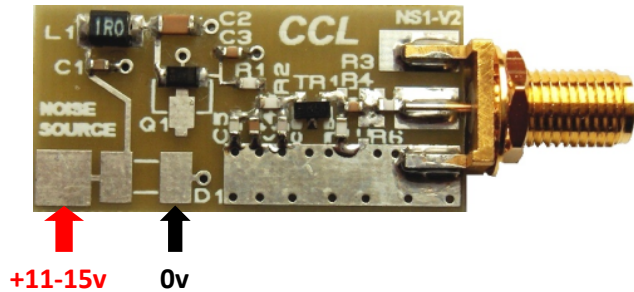
- Small PCB sub assembly with high quality SMA bulkhead. One hole enclosure fixing uses the sma connector
- LF to 5GHz coverage with flat output, typically 24dB ENR (-90dBm/MHz)
- 11v – 15v drive with reverse polarity protection
- Low -0.03dB/degree C temperature coefficient
- Custom options for onboard output filtering / output setting attenuator and ENR calibration

### Applications

- R&D and system testing
- NF measurements
- Interference simulation

### Electrical specifications at 20°C

model	Frequency (MHz)		ENR (dB)		Output flatness (±dB)	50 Ω VSWR (:1) on / off max	DC power	
	min	max	min	max			Volt	Current mA max
BBGen	0.1	5000	21.5	26.5	<1.5	2 / 10	11-15.0	5.0



## Maximum ratings

Storage temperature	-30°C to + 70°C
Operating temperature	-10°C to +35°C
DC Voltage	+20.0V
RF reverse power	+20dBm at the output SMA

PCB dimensions: 35mm by 16mm excluding SMA output socket.

## RF Design

35 Highfield Way, North Ferriby, East Yorkshire. HU14 3BG, UK.

Application notes available at [www.g8fek.com](http://www.g8fek.com)