

Baytems Model S5200 Broadband RF Amplifier

Product Overview



- Frequency range from 1 kHz to 1.2 GHz (-3 dB)
- 20 dB amplifier gain
- Flat gain response
- Type N connectors
- General purpose broadband amplifier
- Enables detection of low-level emissions from a DUT
- Improves radiated emission measurements using a spectrum analyzer and antenna
- Laboratory grade instrument

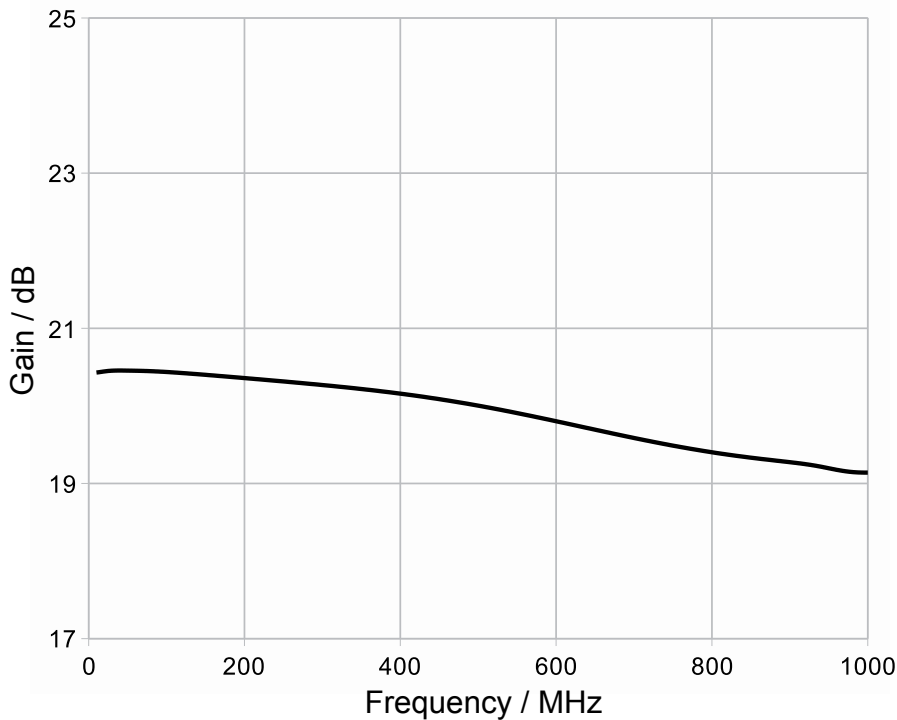
The Baytems S5200 is a broadband amplifier with 20 dB of gain covering the nominal frequency range 9 kHz to 1 GHz. With its high gain and low noise figure, it will significantly increase the sensitivity of spectrum analyzers and other RF measuring instruments.

The model S5200 uses a proprietary Baytems amplifier module that features low noise, low distortion, flat frequency response, long term stability, and reliability. That makes the instrument especially suitable for laboratory use.

baytems.com/go/amp 



Typical frequency response



Technical specifications

Frequency range	1 kHz — 1.2 GHz (-3 dB)
Gain	20 ±1 dB (at 1 GHz)
Gain flatness	±0.75 dB typ. (9 kHz — 1 GHz)
Noise figure	4.5 dB typ. (at 1 GHz)
Output power max.	+20 dBm (at 1 dB compression point)
3rd order intercept point	+35 dBm (at 1 GHz)
Input return loss	11 dB (at 1 GHz)
Output return loss	17 dB (at 1 GHz)
Reverse isolation	24 dB (at 1 GHz)
Impedance	50 Ω
Coupling	AC
Input damage level	+10 dBm

Power requirements	115 or 230 VAC ±10 %, 50 — 60 Hz
Operating environment	0 — 50 °C, RH 0 — 80 %
Storage environment	-40 — 70 °C
Dimensions W x H x D	105 x 65 x 185 mm
Weight	805 g
RF connectors	Type N
Warranty	1 year

Ordering information

S5200-A Amplifier Model S5200

Accessories included

Mains power cord, manual, and calibration certificate.

Options

- 001 NEMA power cord
- 002 Euro power cord
- 003 UK power cord
- 004 SEV power cord



Front panel view



Back panel view

Baytems
 Hallituskatu 9 A 9
 FI-33200 Tampere
 FINLAND
 TEL: +358 40 5453786
 info@baytems.com www.baytems.com

Baytems