



Agilent 11909A

Low Noise Amplifier

Data Sheet



Agilent 11909A Specifications

Frequency range	9 kHz to 1 GHz (-3 dB)
Amplifier gain	32 dB \pm 1.5 dB @ 100 MHz
Gain flatness	\pm 0.5 dB (25 kHz to 800 MHz)
Noise figure	2.5 dB max and 1.8 dB typ. (5~500 MHz) 2.5 dB typ. (1 GHz)
Output power @ 1 dB compression	+10 dBm
Impedance	50 ohms
Input return loss	8 dB
Output return loss	10 dB
Reverse isolation	35 dB
Maximum input for linear operation	\pm 24 mV (approximate)
Input damage level	\pm 2 V DC

General Specifications

Temperature range	Operating 0 °C to 55 °C Storage -25 °C to 75 °C
Power requirements	100, 120, 220, or 240 V AC 50/60 Hz, 20 VA
Weight	3.3 lbs/1.5 kg
Dimensions	91 mm H, 109 mm W, 183 mm D 3.6" H, 4.3" W, and 7.2" D
Input/output connector	Type "N"
Warranty	1 year





Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.



Agilent Direct

www.agilent.com/find/agilentdirect
Quickly choose and use your test equipment solutions with confidence.

Remove all doubt

Our repair and calibration services will get your equipment back to you, performing like new, when promised. You will get full value out of your Agilent equipment throughout its lifetime. Your equipment will be serviced by Agilent-trained technicians using the latest factory calibration procedures, automated repair diagnostics and genuine parts. You will always have the utmost confidence in your measurements. For information regarding self maintenance of this product, please contact your Agilent office.

Agilent offers a wide range of additional expert test and measurement services for your equipment, including initial start-up assistance, onsite education and training, as well as design, system integration, and project management.

For more information on repair and calibration services, go to:

www.agilent.com/find/removealldoubt

Product specifications and descriptions in this document subject to change without notice.

www.agilent.com
www.agilent.com/find/emc
www.agilent.com/find/accessories

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

www.agilent.com/find/contactus

Americas

Canada	(877) 894-4414
Latin America	305 269 7500
United States	(800) 829-4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Thailand	1 800 226 008

Europe & Middle East

Austria	01 36027 71571
Belgium	32 (0) 2 404 93 40
Denmark	45 70 13 15 15
Finland	358 (0) 10 855 2100
France	0825 010 700* *0.125 €/minute
Germany	07031 464 6333
Ireland	1890 924 204
Israel	972-3-9288-504/544
Italy	39 02 92 60 8484
Netherlands	31 (0) 20 547 2111
Spain	34 (91) 631 3300
Sweden	0200-88 22 55
Switzerland	0800 80 53 53
United Kingdom	44 (0) 118 9276201

Other European Countries:

www.agilent.com/find/contactus

Revised: October 1, 2008

© Agilent Technologies, Inc. 2009
Printed in USA, May 18, 2009
5968-1373E



Agilent Technologies