



Agilent

R347B Millimeter-Wave Noise Source, R-Band

Data Sheet

Frequency range	26.5 to 40 GHz
Excess noise ratio (ENR) range	26.5 to 40 GHz: 10 to 13 dB
Maximum SWR (reflection coefficient)	Source off: < 1.42 (0.17) Source on: < 1.31 (0.13)
Power required	28 V \pm 1 V (automatically supplied by the Agilent 8970B noise figure meter)
Maximum reverse power	100 mW
Connectors	Bias: BNC (f) Noise output: R-band waveguide G-599/U flange
ENR variation with voltage	< 0.005 dB/V
ENR variation with temperature	< 0.009 dB/°C
Switching speed	< 10 μ s
Operating temperature	0 to 55 °C
Dimensions	52 mm x 108 mm x 60 m (2.1 in x 4.3 in x 2.4 in)
Net weight	0.21 kg (0.46 lb)
Shipping weight	0.36 kg (0.80 lb)





Agilent Email Updates

www.agilent.com/find/emailupdates

Get the latest information on the products and applications you select.



www.lxistandard.org

LAN eXtensions for Instruments puts the power of Ethernet and the Web inside your test systems. Agilent is a founding member of the LXI consortium.

Agilent Channel Partners

www.agilent.com/find/channelpartners

Get the best of both worlds: Agilent's measurement expertise and product breadth, combined with channel partner convenience.



Agilent Advantage Services is committed to your success throughout your equipment's lifetime. To keep you competitive, we continually invest in tools and processes that speed up calibration and repair and reduce your cost of ownership. You can also use Infoline Web Services to manage equipment and services more effectively. By sharing our measurement and service expertise, we help you create the products that change our world.

www.agilent.com/find/advantageservices



www.agilent.com/quality

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
Brazil	(11) 4197 3600
Mexico	01800 5064 800
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
Other AP Countries	(65) 375 8100

Europe & Middle East

Belgium	32 (0) 2 404 93 40
Denmark	45 45 80 12 15
Finland	358 (0) 10 855 2100
France	0825 010 700*
	*0.125 €/minute
Germany	49 (0) 7031 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
United Kingdom	44 (0) 118 927 6201

For other unlisted countries:

www.agilent.com/find/contactus

Revised: January 6, 2012

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

© Agilent Technologies, Inc. 2012
Published in USA, May 10, 2012
5991-0522EN

