



Agilent 8491B Coaxial Fixed Attenuator

Data Sheet

Frequency range:	DC to 18 GHz
Connector:	Type-N, male and female
Maximum SWR:	1.25 to 8 GHz 1.35 to 12.4 GHz 1.5 to 18 GHz
Maximum input power:	2 W average, 100 W peak ¹
Attenuation accuracy:	



3 dB	DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.3 dB
6 dB	DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.4 dB
10 dB	DC to 18 GHz: ± 0.6 dB
20 dB	DC to 12.4 GHz: ± 0.6 dB 12.4 to 18 GHz: ± 1.0 dB
30 dB	DC to 18 GHz: ± 1.0 dB
40 dB	DC to 18 GHz: ± 1.5 dB
50 dB	DC to 18 GHz: ± 1.5 dB
60 dB	DC to 18 GHz: ± 2.0 dB

Environmental Specifications

Temperature	
Non-operating:	55 °C to +85 °C
Operating:	0 °C to +55 °C
EMC:	Radiated interference is within the requirements of MIL STD 461 method RE02, VDE 0871 EN55011 and FCC
Dimensions:	67 mm x 21 mm (2 7/16 in x 13/16 D in)
Weight	
Net:	110 g (4 oz)
Shipping:	220 g (8 oz)

1. At 20 °C derated to 1.3 W average at 55 °C





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



Agilent Email Updates

www.agilent.com/find/emailupdates

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

www.agilent.com
www.agilent.com/find/mta

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 3500
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 70 13 15 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) 131 452 0200

For other unlisted countries:

www.agilent.com/find/contactus

Revised: June 8, 2011

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

© Agilent Technologies, Inc. 2009, 2011
Published in USA, October 4, 2011
5990-3453EN



Agilent Technologies