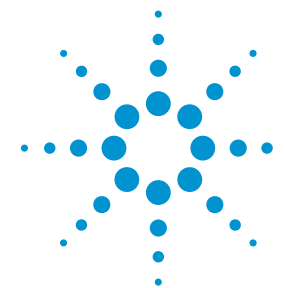


Agilent RF & Microwave Programmable Step Attenuators

Agilent programmable step attenuators offer fast, precise signal-level control up to 50 GHz, with switching time of less than 20 ms.

Unmatched attenuation repeatability of less than 0.03 dB up to 5 million cycles per section ensures low measurement uncertainty and reduces calibration cycles when installed into test systems.

Automatic GPIB/USB/LAN drive control is achieved with the 11713B/C attenuator/switch driver.



Programmable step attenuators

- High reliability and exceptional repeatability reduce downtime
- Excellent RF specifications optimize test system measurement capability
- Broad portfolio of attenuation and connector options provide configuration flexibility



Quick Fact Sheet

Agilent RF & Microwave Programmable Step Attenuators

Product specifications

Programmable step attenuator									
Model number	Frequency (GHz)	Attenuation range (dB)	Attenuation step (dB)	Insertion loss (dB) @ 0 dB	Maximum SWR	Maximum input average power (W)	Maximum input peak power (W)	Operating life (in million cycles/section)	Repeatability
8494G	DC to 4	0 to 11	1	0.96	1.50	1	100	5	± 0.03 dB max (5 million cycles per section)
8495G	DC to 4	0 to 70	10	0.68	1.35	1	100	5	± 0.03 dB max (5 million cycles per section)
8496G	DC to 4	0 to 110	10	0.96	1.50	1	100	5	± 0.03 dB max (5 million cycles per section)
8494H	DC to 18	0 to 11	1	2.22	1.90	1	100	5	± 0.03 dB max (5 million cycles per section)
8495H	DC to 18	0 to 70	10	1.66	1.70	1	100	5	± 0.03 dB max (5 million cycles per section)
8496H	DC to 18	0 to 110	10	2.22	1.90	1	100	5	± 0.03 dB max (5 million cycles per section)
8495K	DC to 26.5	0 to 70	10	3.95	2.20	1	100	5	± 0.03 dB max to 18 GHz, ± 0.05 dB max to 26.5 GHz (5 million cycles per section)
8497K	DC to 26.5	0 to 90	10	2.79	1.80	1	100	5	± 0.03 dB max to 18 GHz, ± 0.05 dB max to 26.5 GHz (5 million cycles per section)
84904K	DC to 26.5	0 to 11	1	1.86	2.00	1	50	5	± 0.03 dB max (5 million cycles per section)
84906K	DC to 26.5	0 to 90	10	1.86	2.00	1	50	5	± 0.03 dB max (5 million cycles per section)
84907K	DC to 26.5	0 to 70	10	1.40	1.90	1	50	5	± 0.03 dB max (5 million cycles per section)
84904L	DC to 40	0 to 11	1	2.40	2.00	1	50	5	± 0.03 dB max (5 million cycles per section)
84906L	DC to 40	0 to 90	10	2.40	2.00	1	50	5	± 0.03 dB max (5 million cycles per section)
84907L	DC to 40	0 to 70	10	1.80	1.90	1	50	5	± 0.03 dB max (5 million cycles per section)
84904M	DC to 50	0 to 11	1	3.00	3.00	1	50	5	± 0.03 dB max ¹
84905M	DC to 50	0 to 60	10	2.60	2.60	1	50	5	± 0.03 dB max ¹
84908M	DC to 50	0 to 65	5	3.00	3.00	1	50	5	± 0.03 dB max ¹

1. Typical

RF connector options:

1) 849xG/H offers N (f) / SMA (f) / APC-7

2) 849xK offers only 3.5 mm (f)

3) 8490xK offers 3.5 mm (f) / 3.5 mm (f/m)

4) 8490xL offers 2.4 mm (f), 2.92 mm (f) /
2.4 mm (f/m) / 2.92 mm (f/m)

5) 8490xM offers 2.4 mm (f/m) / 2.4 mm
(f/f)

Recommended service options

Additional two years of Return-to-Agilent warranty

Additional two years of Return-to-Agilent calibrations

For more information go to www.agilent.com/find/removealldoubt

Programmable step attenuator option

Agilent 8494/95/96/97 series ordering example		
Models	Option type	Option description
8494G/ 8494H/ 8495G/ 8495H/ 8495K/ 8496G/ 8496H/ 8497K	001	N (f) ^{G, H}
	002	SMA (f) ^{G, H}
	004	3.5 mm (f) ^{2, K}
	024	24 Vdc
	011	5 Vdc
	060	12-pin viking connector ^{G, H, K}
	016	16-inch ribbon cable with 14-pin DAP plug ^{G, H, K}
UK6 Commercial calibration test data with certifications		
Agilent 84904/905/906/907/908 series ordering example *		
84904K/ 84904L/ 84904M/ 84905M/ 84906K/ 84906L/ 84907K/ 84907L/ 84908M	024	24 Vdc
	011	5 Vdc
	012	6 Vdc
	104	3.5 mm (f) drive cable end, 3.5 mm (m) opposite end ^K
	004	3.5 mm (f) both ends ^K
	006	2.92 mm (f) both ends ^L
	100	2.4 mm (f) drive cable end, 2.4 mm (m) opposite end ^{L, M}
	106	2.92 mm (f) drive cable end, 2.92 mm (m) opposite end
	101	2.4 mm (f) both ends ^{L, M}

1. Each order must include RF connector option

* Drive cable not included

2. Available with 8495/97 only

G. G-models

H. H-models

K. K-models

L. L-models

M. M-models

For more details on Agilent attenuators and ordering information see the "Agilent RF and Microwave Attenuators", literature number 5989-6948EN

For more information on Agilent attenuators, please visit www.agilent.com/find/attenuators

Download or order from www.agilent.com/find/mta

To find a distributor in your area, go to www.agilent.com/find/distributors

Technical data, availability, and pricing subject to change without notice.

© Agilent Technologies, Inc. 2012, Printed in USA, June 19, 2012

5990-4414EN



Agilent Technologies