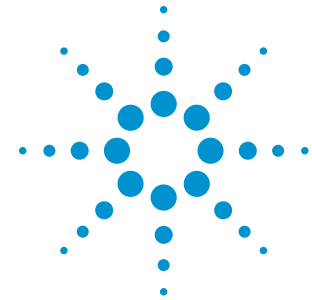


## Agilent RF & Microwave Programmable Step Attenuators



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*



## Product Specifications

Manual step attenuator									
Model number	Frequency	Attenuation range (dB)	Attenuation step	Insertion loss (dB) @ 0 dB	Maximum SWR	Maximum input average power	Maximum input peak power	Operating life (n million cycles/section)	Repeatability
8494G	DC to 4 GHz	0 to 11	1 dB	0.96	1.50	1 W	100 W	5	0.01 dB
8495G	DC to 4 GHz	0 to 70	10 dB	0.68	1.35	1 W	100 W	5	0.01 dB
8496G	DC to 4 GHz	0 to 110	10 dB	0.96	1.50	1 W	100 W	5	0.01 dB
8494H	DC to 18 GHz	0 to 11	1 dB	2.22	1.90	1 W	100 W	5	0.01 dB
8495H	DC to 18 GHz	0 to 70	10 dB	1.66	1.70	1 W	100 W	5	0.01 dB
8496H	DC to 18 GHz	0 to 110	10 dB	2.22	1.90	1 W	100 W	5	0.01 dB
8495K	DC to 26.5 GHz	0 to 70	10 dB	3.95	2.20	1 W	100 W	5	0.05 dB
8497K	DC to 26.5 GHz	0 to 90	10 dB	2.79	1.80	1 W	100 W	5	0.05 dB
84904K	DC to 26.5 GHz	0 to 11	1 dB	1.86	2.00	1 W	50 W	5	0.03 dB
84906K	DC to 26.5 GHz	0 to 90	10 dB	1.86	2.00	1 W	50 W	5	0.03 dB
84907K	DC to 26.5 GHz	0 to 70	10 dB	1.40	1.90	1 W	50 W	5	0.03 dB
84904L	DC to 40 GHz	0 to 11	1 dB	2.40	2.00	1 W	50 W	5	0.03 dB
84906L	DC to 40 GHz	0 to 90	10 dB	2.40	2.00	1 W	50 W	5	0.03 dB
84907L	DC to 40 GHz	0 to 70	10 dB	1.80	1.90	1 W	50 W	5	0.03 dB
84904M	DC to 50 GHz	0 to 11	1 dB	3.00	3.00	1 W	50 W	5	0.03 dB
84905M	DC to 50 GHz	0 to 60	10 dB	2.60	2.60	1 W	50 W	5	0.03 dB
84908M	DC to 50 GHz	0 to 65	5 dB	3.00	3.00	1 W	50 W	5	0.03 dB

**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)

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](http://www.agilent.com/find/attenuators)

Download or order from [www.agilent.com/find/mta](http://www.agilent.com/find/mta)

To find a distributor in your area, go to [www.agilent.com/find/distributors](http://www.agilent.com/find/distributors)

### Recommended service options

[www.agilent.com/find/removealldout](http://www.agilent.com/find/removealldout)

- R-51B-001-3C Return-to-Agilent warranty – extended to 3 years
- R-50C-011-3 Return-to-Agilent calibration – 3 years

Pricing and technical data subject to change without notice.

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## 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) <sup>G,H</sup>
	002	SMA (f) <sup>G,H</sup>
	004	3.5 mm (f) <sup>2,K</sup>
	024	24 Vdc
	011	5 Vdc
	060	12-pin Viking connector <sup>G,H,K</sup>
	016	16-inch ribbon cable with 14-pin DAP plug <sup>G,H,K</sup>
	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 <sup>K</sup>
	004	3.5 mm (f) both ends <sup>K</sup>
	006	2.92 mm (f) both ends <sup>L</sup>
	100	2.4 mm (f) drive cable end, 2.4 mm (m) opposite end <sup>L,M</sup>
	106	2.92 mm (f) drive cable end, 2.92 mm (m) opposite end
101	2.4 mm (f) both ends <sup>L,M</sup>	

- 1. Each order must include RF connector option
- 2. Available with 8495/97 only
- G. G-models
- H. H-models
- K. K-models
- L. L-models
- M. M-models
- \* Drive cable not included



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