

**How to Order the HP 8494/5/6/7 Series Attenuators**

Each order must include basic model number, suffix letter, and connector option.

Optional calibration data.

**HP 8494 A Option 001 Option 890**

- 4 (1dB step, 11 dB max)
- 5 (10 dB step, 70 dB max)
- 6 (10 dB step, 110 dB max)
- 7 (10 dB step, 90 dB max)

- A (Manual, dc—4 GHz)
- B (Manual, dc—18 GHz)
- D (Manual, dc—26.5 GHz)\*
- G (Programmable, dc—4 GHz)
- H (Programmable, dc—18 GHz)
- K (Programmable, dc—26.5 GHz)\*

- 001 (N-Female)
- 002 (SMA Female)
- 003 (APC-7)
- 004 (APC-3.5 Female)\*

\* Option 004 is only available on 'D' and 'K' models.

**HP 355 Series, 8494/5/6/7 Series Specifications**

HP Model and (Switching Mode)	Frequency Range (GHz)	Incremental Attenuation (dB)	SWR Maximum (50 Ω Nominal)	Insertion Loss (0 dB setting)	Attenuation Accuracy	Power Rating, Minimum Life	Solenoid Voltage Speed Power	Size, Shipping Weight	Connector Options Available	Price
355C (Manual)	dc-1	0-12 1 dB steps	dc-0.25 GHz: 1.2 dc-0.5 GHz: 1.3 dc-1.0 GHz: 1.5	0.11 dB + 1.39 dB/GHz	±0.1 dB @ 1000 Hz ±0.25 dB: dc-0.5 GHz ±0.35 dB: dc-1.0 GHz	0.5 W avg 350 W peak 0.3 million cycles per section	15-18 V <65 ms 3.0 W	67 H x 70 W x 152 mm D (2.6" x 2.75" x 6") 1.4 kg (3 lb)	BNC (f) See Note 1	\$435
355E (Programmable)										\$800
355D (Manual)	dc-1	0-120 10 dB steps	dc-0.25 GHz: 1.2 dc-0.5 GHz: 1.3 dc-1.0 GHz: 1.5	0.11 dB + 1.39 dB/GHz	±0.3 dB @ 1000 Hz ±1.5 dB to 90 dB, and ±3 dB to 120 dB @ 1 GHz	0.5 W avg 350 W peak 0.3 million cycles per section	15-18 V <65 ms 3.0 W	67 H x 70 W x 152 mm D (2.6" x 2.75" x 6") 1.4 kg (3 lb)	BNC (f) See Note 1	\$435
355F (Programmable)										\$800
8494A (Manual)	dc-4	0-11 1 dB Steps	1.5	0.6 dB + 0.09 dB/GHz	±0.2 dB: 1-2 dB ±0.3 dB: 3-6 dB ±0.4 dB: 7-10 dB ±0.5 dB: 11 dB	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 159 mm D (1.7" x 2.9" x 6.2") 0.9 kg (2 lb)	001 002 003 See Note 2	\$720
8494G (Programmable)								43 H x 73 W x 142 mm D (1.7" x 2.9" x 5.6")		\$1,100
8494B (Manual)	dc-18	0-11 1 dB steps	dc-8 GHz: 1.5 dc-12.4 GHz: 1.6 dc-18 GHz: 1.9	0.6 dB + 0.09 dB/GHz	dc-12.4 GHz ±0.3 dB: 1-2 dB ±0.4 dB: 3-4 dB ±0.5 dB: 5-6 dB ±0.6 dB: 7-10 dB ±0.7 dB: 11 dB dc-18 GHz ±0.7 dB: 1-5 dB ±0.8 dB: 6-9 dB ±0.9 dB: 10-11 dB	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 159 mm D (1.7" x 2.9" x 6.2") 0.9 kg (2 lb) 43 H x 73 W x 142 mm D (1.7" x 2.9" x 5.6")	001 002 003 See Note 2	\$915
8494H (Programmable)										\$1,400
8495A (Manual)	dc-4	0-70 10 dB steps	1.35	0.4 dB + 0.07 dB/GHz	±1.7% of setting or ±0.4 dB, whichever is greater	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 130 mm D (1.7" x 2.9" x 5.1") 0.9 kg (2 lb)	001 002 003 See Note 2	\$515
8495G (Programmable)								43 H x 73 W x 114 mm D (1.7" x 2.9" x 4.5")		\$920
8495B (Manual)	dc-18	0-70 10 dB steps	dc-8 GHz: 1.35 dc-12.4 GHz: 1.5 dc-18 GHz: 1.7	0.4 dB + 0.07 dB/GHz	±3%: dc-12.4 GHz ±4%: dc-18 GHz % in dB from Atten. Setting	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 130 mm D (1.7" x 2.9" x 5.1") 0.9 kg (2 lb)	001 002 003 See Note 2	\$670
8495H (Programmable)								43 H x 73 W x 114 mm D (1.7" x 2.9" x 4.5")		\$1,030
8495D (Manual)	dc-26.5	0-70 10 dB steps	dc-12.4 GHz: 1.6 12.4-18 GHz: 1.9 18-26.5 GHz: 2.2	0.5 dB + 0.13 dB/GHz	±3%: dc-12.4 GHz ±4%: dc-18 GHz ±7%: dc-26.5 GHz % in dB from Atten. Setting	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 52 W x 159 mm D (1.7" x 2.1" x 6.2") 0.9 kg (2 lb)	004 APC-3.5 See Note 2	\$875
8495K (Programmable)								43 H x 52 W x 168 mm D (1.7" x 2.1" x 6.6")		\$1,300
8496A (Manual)	dc-4	0-110 10 dB steps	1.5	0.6 dB + 0.09 dB/GHz	±1.7% of setting or ±0.4 dB, whichever is greater	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 159 mm D (1.7" x 2.9" x 6.2") 0.9 kg (2 lb)	001 002 003 See Note 2	\$720
8496G (Programmable)								43 H x 73 W x 142 mm D (1.7" x 2.9" x 5.6")		\$1,100
8496B (Manual)	dc-18	0-110 10 dB steps	dc-8 GHz: 1.5 dc-12.4 GHz: 1.6 dc-18 GHz: 1.9	0.6 dB + 0.09 dB/GHz	±3%: dc-12.4 GHz ±4%: dc-18 GHz % in dB from Atten. Setting	1 W avg 100 W peak 10 μs max. 5 million cycles per section	20-30 V <20 ms 2.7 W	43 H x 73 W x 159 mm D (1.7" x 2.9" x 6.2") 0.9 kg (2 lb)	001 002 003 See Note 2	\$915
8496H (Programmable)								43 H x 73 W x 142 mm D (1.7" x 2.9" x 5.6")		\$1,400
8497K (Programmable)	dc-26.5	0-90 10 dB steps	dc-6 GHz: 1.25 6-12.4 GHz: 1.45 12.4-18.0 GHz: 1.6 18.0-26.5 GHz: 1.8	0.6 dB + 0.09 dB/GHz	±0.3 dB at 6 GHz 10 dB attenuation to ±2.8 dB at 26.5 GHz 90 dB attenuation. See Data Sheet 5952-8278 for details.	1 W avg 100 W peak 10 μs max. 5 million cycles per section	5 V or 24V	43 H x 52 W x 143 mm D (1.7" x 2.1" x 5.6") 0.9 kg (2 lb)	004 APC-3.5 See Note 2	\$1,600
<b>Option 890 Calibration Data</b>		<b>Option 890 Frequency List (MHz)</b>				<b>Models</b>			<b>Option 890 Price</b>	
DC to 4 GHz Models: 100, 300, 500, 700, 900, 1000, 1250, 1500, 1750, 2000, 2500, 3000, 3500, 4000		DC to 26.5 GHz Models every 500 MHz 2 to 16 GHz every 250 MHz 16 to 26.5 GHz				8494A/G, 8496A/G, 33320A/G, 33322A/G 8495A/G, 33321A/G			add \$130 add \$110	
DC to 18 GHz Models: Same as above to 4000 MHz, every 500 MHz to 16000 (plus 12400 MHz), every 250 MHz from 16000 to 18000						8494B/H, 8496B/H, 33320B/H, 33322B/H 8495B/H, 33321B/H 8495D/K, 8497K			add \$170 add \$150 add \$250	
Note 1: 355C/D/E/F connector options (BNC (f) standard) Option 001 N(f) Option 005 TNC(f) Option 007 Transistor protection (355E/F only)		Price add \$25 add \$10 add \$55		Note 2: 8494/5/6/7 orders must specify connector option. See ordering example above.					N C N C add \$50 N C	