

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 (1 dB 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 to 4 GHz)
B (Manual, dc to 18 GHz)
D (Manual, dc to 26.5 GHz)*
G (Programmable, dc to 4 GHz)
H (Programmable, dc to 18 GHz)
K (Programmable, dc to 26.5 GHz)*

001 (N female)
002 (SMA female)
003 (APC-7)
004 (3.5 mm female)*

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

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

HP Model (Switching Mode) (OEM Model No.)	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 to 1	0 to 12 1 dB steps	dc to 0.25 GHz: 1.2 dc to 0.5 GHz: 1.3 dc to 1.0 GHz: 1.5	0.11 dB + 1.39 dB/GHz	±0.1 dB @ 1000 Hz ±0.25 dB: dc to 0.5 GHz ±0.35 dB: dc to 1.0 GHz	0.5 W avg 350 W peak 0.3 million cycles per section	-	67 mm H × 70 mm W × 152 mm D (2.6 in × 2.75 in × 6 in)	BNC (f) See Note 1	\$700
355E (Programmable)										15 to 18 V <65 ms 3.0 W
355D (Manual)	dc to 1	0 to 120 10 dB steps	dc to 0.25 GHz: 1.2 dc to 0.5 GHz: 1.3 dc to 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	-	67 mm H × 70 mm W × 152 mm D (2.6 in × 2.75 in × 6 in)	BNC (f) See Note 1	\$700
355F (Programmable)										15 to 18 V <65 ms 3.0 W
8494A (Manual) (33320A)	dc to 4	0 to 11 1 dB steps	1.5	0.6 dB + 0.09 dB/GHz	±0.2 dB: 1 to 2 dB ±0.3 dB: 3 to 6 dB ±0.4 dB: 7 to 10 dB ±0.5 dB: 11 dB	1 W avg 100 W peak 10 μs max 5 million cycles per section	-	43 mm H × 73 mm W × 159 mm D (1.7 in × 2.9 in × 6.2 in)	001 002 003 See Note 2	\$620
8494G (Programmable) (33320G)										20 to 30 V <20 ms 2.7 W
8494B (Manual) (33320B)	dc to 18	0 to 11 1 dB steps	dc to 8 GHz: 1.5 dc to 12.4 GHz: 1.6 dc to 18 GHz: 1.9	0.6 dB + 0.09 dB/GHz	dc to 12.4 GHz ±0.3 dB: 1 to 2 dB ±0.4 dB: 3 to 4 dB ±0.5 dB: 5 to 6 dB ±0.6 dB: 7 to 10 dB ±0.7 dB: 11 dB dc to 18 GHz ±0.7 dB: 1 to 5 dB ±0.8 dB: 6 to 9 dB ±0.9 dB: 10 to 11 dB	1 W avg 100 W peak 10 μs max 5 million cycles per section	-	43 mm H × 73 mm W × 159 mm D (1.7 in × 2.9 in × 6.2 in)	001 002 003 See Note 2	\$915
8494H (Programmable) (33320H)										20 to 30 V <20 ms 2.7 W
8495A (Manual) (33320A)	dc to 4	0 to 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	-	43 mm H × 73 mm H × 130 mm D (1.7 in × 2.9 in × 5.1 in)	001 002 003 See Note 2	\$515
8495G (Programmable) (33320G)										20 to 30 V <20 ms 2.7 W
8495B (Manual) (33321B)	dc to 18	0 to 70 10 dB steps	dc to 8 GHz: 1.35 dc to 12.4 GHz: 1.5 dc to 18 GHz: 1.7	0.4 dB + 0.07 dB/GHz	±3%: dc to 12.4 GHz ±4%: dc to 18 GHz % in dB from Atten. Setting	1 W avg 100 W peak 10 μs max 5 million cycles per section	-	43 mm H × 73 mm W × 130 mm D (1.7 in × 2.9 in × 5.1 in)	001 002 003 See Note 2	\$670
8495H (Programmable) (33321H)										20 to 30 V <20 ms 2.7 W
8495D (Manual) (33321D)	dc to 26.5	0 to 70 10 dB steps	dc to 6 GHz: 1.25 6 to 12.4 GHz: 1.45 12.4 to 18.0 GHz: 1.6 18.0 to 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	-	43 mm H × 52 mm W × 159 mm D (1.7 in × 2.1 in × 6.2 in)	004 3.5 mm See Note 2	\$875
8495K (Programmable) (33321K)										20 to 30 V <20 ms 2.7 W
8496A (Manual) (33322A)	dc to 4	0 to 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	-	43 mm H × 73 mm W × 159 mm D (1.7 in × 2.9 in × 6.2 in)	001 002 003 See Note 2	\$620
8496G (Programmable) (33322G)										20 to 30 V <20 ms 2.7 W
8496B (Manual) (33322B)	dc to 18	0 to 110 10 dB steps	dc to 8 GHz: 1.5 dc to 12.4 GHz: 1.6 dc to 18 GHz: 1.9	0.6 dB + 0.09 dB/GHz	±3%: dc to 12.4 GHz ±4%: dc to 18 GHz % in dB from Atten. Setting	1 W avg 100 W peak 10 μs max 5 million cycles per section	-	43 mm H × 73 mm W × 159 mm D (1.7 in × 2.9 in × 6.2 in)	001 002 003 See Note 2	\$915
8496H (Programmable) (33322H)										20 to 30 V <20 ms 2.7 W
8497K (Programmable) (33323K)	dc to 26.5	0 to 90 10 dB steps	dc to 6 GHz: 1.25 6 to 12.4 GHz: 1.45 12.4 to 18.0 GHz: 1.6 18.0 to 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 24 V	43 mm H × 52 mm W × 143 mm D (1.7 in × 2.1 in × 5.6 in)	004 3.5 mm See Note 2	\$1,320
Option 890 Calibration Data	Option 890 Frequency List (MHz) DC to 4 GHz Models: 100, 300, 500, 700, 900, 1000, 1250, 1500, 1750, 2000, 2500, 3000, 3500, 4000. DC to 18 GHz Models: Same as above to 4000 MHz, every 500 MHz to 16000 (plug 12400 MHz), every 250 MHz from 16000 to 18000.						Models 8494A/G, 8496A/G, 33320A/G, 33322A/G 8495A/G, 33321A/G 8494B/H, 8496B/H, 33320B/H, 33322B/H 8495B/H, 33321B/H 8495D/K, 8497K			Option 890 add \$25 add \$25 add \$35 add \$35 add \$50
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. Option 001 N(f) Option 002 SMA(f) Option 003 APC-7 Option 004 3.5 mm (HP 8495D/K, 8497K only)				Price N/C N/C add \$50 N/C	