

## Manual Step Attenuators

Keysight manual step attenuators offer fast, precise signal-level control up to 26.5 GHz. Unmatched attenuation repeatability of less than 0.03 dB up to 5 million cycles per section ensures low measurement uncertainty. Attenuation range of 121 dB in 1 dB step can be achieved by cascading 2 attenuators in series.

Manual Step Attenuators									
Model number	Frequency	Attenuation range (dB)	Attenuation step (dB)	Insertion loss (dB) at 0 dB	Maximum SWR	Maximum input average power (W)	Maximum input peak power (W)	Operating life (n million cycles/section)	Repeatability (dB)
8494A	DC to 4 GHz	0 to 11	1	0.96	1.50	1	100	5	± 0.03 dB max
8495A	DC to 4 GHz	0 to 70	10	0.68	1.35	1	100	5	± 0.03 dB max
8496A	DC to 4 GHz	0 to 110	10	0.96	1.50	1	100	5	± 0.03 dB max
8494B	DC to 18 GHz	0 to 11	1	2.22	1.90	1	100	5	± 0.03 dB max
8495B	DC to 18 GHz	0 to 70	10	1.66	1.70	1	100	5	± 0.03 dB max
8496B	DC to 18 GHz	0 to 110	10	2.22	1.90	1	100	5	± 0.03 dB max
8495D	DC to 26.5 GHz	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

*\*All product models listed above offer RF connector options for N(f) / SMA(f) / APC-7 except 8495D which only offer 3.5 mm (f) RF connectors.*