

Product Datasheet - Technical Specifications



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Keysight Technologies RF & Microwave Coaxial Fixed Attenuators

Keysight coaxial fixed attenuators provide precise attenuation, flat frequency response and low SWR over broad frequency ranges. These attenuators are available in normal attenuations of 3, 6, 10, 20, 30, 40, 50 and 60 dB that cater to various applications and setups.



Coaxial fixed attenuators:
8491A (top), 8490G (right),
8498A (far right)

Key features

- 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



Coaxial fixed attenuator (8493A)

Product specifications
Coaxial fixed attenuator

Model	Frequency	Attenuation accuracy								Maximum SWR	Maximum input average power (W)	Maximum input peak power (W)	RF connectors
		3 dB	6 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB				
8491A	DC to 12.4 GHz	0.3	0.3	0.5	0.5	1.0	1.5	1.5	2.0	1.30	2	100	N (m,f)
8493A	DC to 12.4 GHz	0.3	0.3	0.5	0.5	1.0	-	-	-	1.30	2	100	SMA (m,f)
8491B	DC to 18 GHz	0.3	0.4	0.6	1.0	1.0	1.5	1.5	2.0	1.50	2	100	N (m,f)
8493B	DC to 18 GHz	0.3	0.4	0.6	1.0	1.0	-	-	-	1.50	2	100	SMA (m,f)
8498A	DC to 18 GHz	-	-	-	-	1.0	-	-	-	1.30	25	125	N (m,f)
8493C	DC to 26.5 GHz	1.0	0.6	0.5	0.6	1.0	1.3	-	-	1.25	2	100	3.5 mm (m,f)
8490D	DC to 50 GHz	4.8	7.8	11.3	21.7	31.7	42.5	-	-	1.45	1	100	2.4 mm (m,f)
8490G	DC to 67 GHz	4.8	7.8	11.3	21.5	31.7	42.5	-	-	1.45	1	100	1.85 mm (m,f)

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight’s commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

For more information go to

www.keysight.com/find/removealldoubt

Coaxial fixed attenuator option

Models	Option	Option description ²
8490D, 8491A,	001	3 dB attenuation
8491B, 8493A,	006	6 dB attenuation
8493B, 8493C,	010	10 dB attenuation
8498A	020	20 dB attenuation
	030	30 dB attenuation
	040	40 dB attenuation ¹
	050	50 dB attenuation ¹
	060	60 dB attenuation ¹
	UK6	Commercial calibration test data with certifications

1. Not available on all models, see specification table.
2. Each order must specify an attenuation option.