

Keysight 8491B

Coaxial Fixed Attenuator

Data Sheet



Frequency range:	DC to 18 GHz																
Connector:	Type-N, male and female																
Maximum SWR:	1.2 to 8 GHz 1.3 to 12.4 GHz 1.5 to 18 GHz																
Maximum input power:	2 W average, 100 W peak ¹																
Attenuation accuracy:	<table><tr><td>3 dB</td><td>DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.3 dB</td></tr><tr><td>6 dB</td><td>DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.4 dB</td></tr><tr><td>10 dB</td><td>DC to 18 GHz: ± 0.6 dB</td></tr><tr><td>20 dB</td><td>DC to 12.4 GHz: ± 0.6 dB 12.4 to 18 GHz: ± 1.0 dB</td></tr><tr><td>30 dB</td><td>DC to 18 GHz: ± 1.0 dB</td></tr><tr><td>40 dB</td><td>DC to 18 GHz: ± 1.5 dB</td></tr><tr><td>50 dB</td><td>DC to 18 GHz: ± 1.5 dB</td></tr><tr><td>60 dB</td><td>DC to 18 GHz: ± 2.0 dB</td></tr></table>	3 dB	DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.3 dB	6 dB	DC to 12.4 GHz: ± 0.3 dB 12.4 to 18 GHz: ± 0.4 dB	10 dB	DC to 18 GHz: ± 0.6 dB	20 dB	DC to 12.4 GHz: ± 0.6 dB 12.4 to 18 GHz: ± 1.0 dB	30 dB	DC to 18 GHz: ± 1.0 dB	40 dB	DC to 18 GHz: ± 1.5 dB	50 dB	DC to 18 GHz: ± 1.5 dB	60 dB	DC to 18 GHz: ± 2.0 dB
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Environmental Specifications

Temperature

Non-operating: 55 °C to +85 °C
Operating: 0 °C to +55 °C

EMC:

Radiated interference is within the requirements of MIL STD 461 method RE02, VDE 0871 EN55011 and FCC

Dimensions:

67 mm x 21 mm
(2 7/16 in x 13/16 D in)

Weight

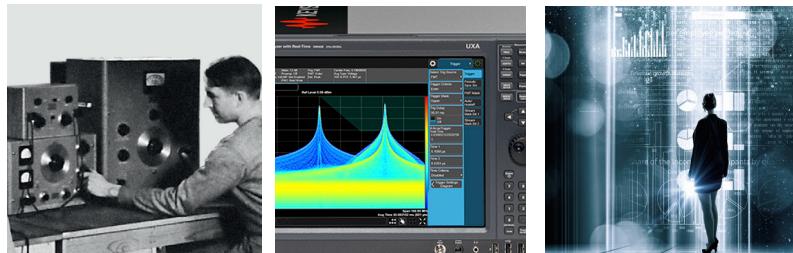
Net: 110 g (4 oz)
Shipping: 220 g (8 oz)

1. At 20 °C derated to 1.3 W average at 55 °C

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