

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8491B

The Keysight (Agilent HP) 8491B is a coaxial fixed attenuator that provides precision attenuation, flat frequency response, and low SWR from DC to 18 GHz. It is equipped with Type-N connectors and is swept-frequency tested to ensure specification compliance across broad frequency ranges. Calibration points are provided directly on an attached nameplate.

SPECIFICATIONS

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ω
Nominal Attenuation Values	3 dB, 6 dB, 10 dB, 20 dB, 30 dB, 40 dB, 50 dB, 60 dB
Maximum SWR (DC to 8 GHz)	1.2
Maximum SWR (8 to 12.4 GHz)	1.3
Maximum SWR (12.4 to 18 GHz)	1.5

Power Handling

Maximum Average Power	2 W
Maximum Peak Power	100 W

Mechanical and Physical Specifications

Connector Type	Type-N
Connector Gender	Male to Female

Ordering and Configurations

Attenuation Value Options	3 dB, 6 dB, and 10 dB increments from 10 dB to 60 dB
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TECHNOLOGY

Coaxial

APPLICATIONS

RF and Microwave Test

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.