

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8495B

The Keysight 8495B (formerly Agilent) is a manual coaxial step attenuator operating from DC to 18 GHz. Designed for high repeatability and reliability, it offers an attenuation range of 0 to 70 dB in 10 dB steps, utilizing precision gold-plated leaf spring contacts to ensure a long operating life of over 5 million cycles.

SPECIFICATIONS

Physical

Power Supply	Not applicable (manual control only)
Operating Temperature	0 to 55 °C °C

RF Performance

Frequency Range	DC to 18 GHz
Attenuation Range	0 to 70 dB
Attenuation Step Size	10 dB
Nominal Impedance	50 Ω
Maximum Insertion Loss (at 0 dB)	0.4 dB + 0.07 dB/GHz
Maximum VSWR (DC to 8 GHz)	1.35
Maximum VSWR (8 to 12.4 GHz)	1.5
Maximum VSWR (12.4 to 18 GHz)	1.7
Maximum RF Input Power (Average)	1 W
Maximum RF Input Power (Peak)	100 W
Peak Power Pulse Width	10 μs max

Mechanical & Reliability

Switching Life	5 million cycles per section
RF Connector Options	Type-N female, SMA female, APC-7
Control Type	Manual

Environmental

Operating Altitude	4,600 m (15,000 ft)
Non-Operating Altitude	15,200 m (50,000 ft)

Ordering & Accessory Information

Compatible Interconnect Kits	Agilent 11716A/B/C
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Performance

RF Power Sensitivity	< 0.001 dB/W
Number of Attenuation Sections	3 sections (10 dB, 20 dB, 40 dB)
Switching Speed	Not applicable (manual control only)

Electrical (Solenoid)

Solenoid Coil Resistance	Not applicable (manual control only)
Solenoid Current	Not applicable (manual control only)
Solenoid Connection	Not applicable (manual attenuator)

TECHNOLOGY

Coaxial Step Attenuator

APPLICATIONS

RF and Microwave Signal Attenuation

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