



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 peak¹

Attenuation Accuracy: 3 dB

dc to 12.4 GHz: ± 0.3

12.4 to 18 GHz: ± 0.4

6 dB

dc to 12.4 GHz: ± 0.3

12.4 to 18 GHz: ± 0.4

10 dB

dc to 18 GHz: ± 0.6

20 dB

dc to 12.4 GHz: ± 0.6

12.4 to 18 GHz: ± 1.0

30 dB

dc to 18 GHz: ± 1.0

40 dB

dc to 18 GHz: ± 1.5

50 dB

dc to 18 GHz: ± 1.5

60 dB

dc to 18 GHz: ± 2.0

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

Option 890 Specifications

Calibration Frequency: 0.2 GHz to 18.0 GHz in 200 MHz steps

Supplemental Characteristics

Temperature Stability: 0.0001 dB/dB/°C

Power Sensitivity: 0.001 dB/dB/W

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: part 18. 67 mm x 21 mm (2 7/16 in x 13/16 D in)

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



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