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## SPECIFICATIONS

**Table 1-2 Specifications**

Parameter	87512A	87512B
Nominal Impedance	50 $\Omega$	75 $\Omega$
Frequency Range	dc to 2 GHz	dc to 2 GHz
Operating Conditions		
Temperature	0°C to 55°C	0°C to 55°C
Relative Humidity	<95% at 40°C	<95% at 40°C
Dimensions	83 mm × 91 mm × 43 mm (3.3 × 3.6 × 1.7 inches)	83 mm × 91 mm × 43 mm (3.3 × 3.6 × 1.7 inches)
Weight	410 g	410 g

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## OPERATING CHARACTERISTICS

### Definitions

The operating characteristics listed in Table 1-3 are those typical of most 87512A/B instruments but are not guaranteed.

Typical but non-warranted performance characteristics intended to provide information useful in applying the instrument. Operating characteristics are representative of most instruments, though not necessarily tested in each unit and not field tested.

**Table 1-3. Operating Characteristics**

Parameter	87512A	87512B
Insertion Loss <sup>1</sup>	10 $\pm$ 1 dB	10 $\pm$ 1 dB
Equivalent Directivity <sup>1,2</sup>	40 dB	40 dB
Equivalent Source Match <sup>1,2</sup>	30 dB @dc $\leq$ frequency $\leq$ 1 GHz 25 dB @1 GHz < frequency $\leq$ 2 GHz	25 dB
Damage Level	+23 dBm	+23 dBm

1 23 $\pm$ 5°C

2 after calibration with the furnished terminations