

## SPECIFICATIONS

Table 1-2 Specifications

Parameter	87512A	87512B
Nominal Impedance	50Ω	75Ω
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

## 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 ± 1 dB	10 ± 1 dB
Equivalent Directivity <sup>1,2</sup>	40 dB	40 dB
Equivalent Source Match <sup>1,2</sup>	30 dB @dc ≤ frequency ≤ 1 GHz 25 dB @1 GHz < frequency ≤ 2 GHz	25 dB
Damage Level	+23 dBm	+23 dBm

<sup>1</sup> 23±5°C

<sup>2</sup> after calibration with the furnished terminations

### 1-6 General Information