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# 11852B Minimum Loss Pad

# User's and Service Guide



Agilent Technologies

**Part Number 11852-90009**
**Printed in USA**
August 2005

Supercedes June 2001

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**Table 0-1. Agilent Technologies Sales and Service Offices**

**Online Assistance:** `www.agilent.com/find/assist`

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|---|---|---|
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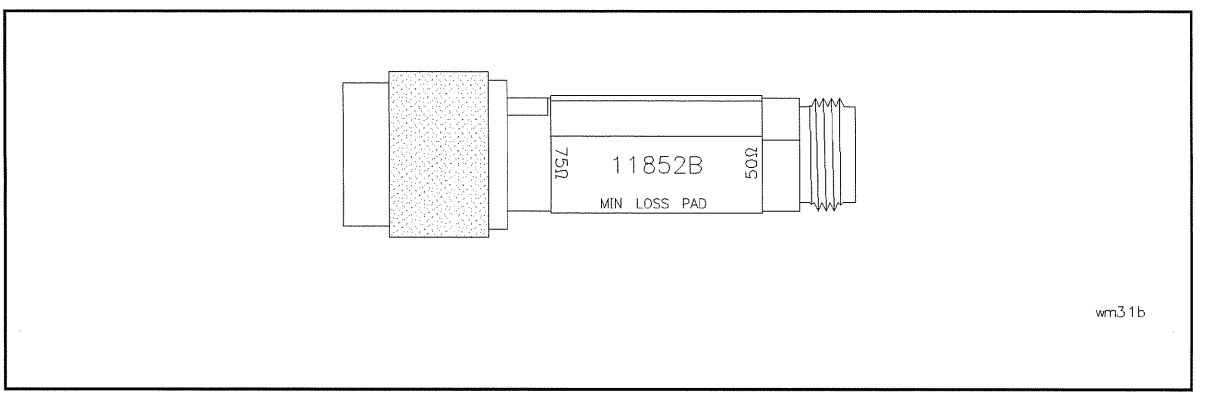
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# 11852B Minimum Loss Pad

## General Information

To obtain optimum performance from this minimum loss pad, observe these simple precautions.

- Make connections carefully to avoid misalignment and connector damage or inaccurate measurements.
- Keep the connectors free of dirt and metallic particles.
- For information on connector cleaning and care, refer to Agilent Technologies' *Microwave Connector Care Manual*.




## Description

The 11852B minimum loss pad is a 50Ω to 75Ω or 75Ω to 50Ω impedance converter with type-N connectors. The standard 11852B has a female 50Ω and a male 75Ω connector. The 11852B Option 004 has a male 50Ω and a female 75Ω connector. The preceding figure is a representation of a standard 11852B.

**Caution** Mating a 50Ω male connector with a 75Ω female connector will destroy the 75Ω connector.



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## Operating Characteristics

Frequency range ..... dc to 2.0 GHz
Nominal insertion loss ..... 5.7 dB
Return loss 75Ω side (50Ω side terminated) ..... ≥ 32 dB, dc to 2 GHz
..... ≥ 27 dB, 2 GHz to 3 GHz
Return loss 50Ω side (75Ω side terminated) ..... ≥ 32 dB, dc to 2 GHz
..... ≥ 27 dB, 2 GHz to 3 GHz
Maximum input power ..... 250 mW (+24 dBm)

## Physical Characteristics

Standard connectors ..... 50Ω type-N (f), 75Ω type-N (m)
Option 004 connectors ..... 75Ω type-N (f), 50Ω type-N (m)
Net weight ..... 0.11 kg (4 oz)
Shipping weight ..... 0.26 kg (9 oz)
Diameter ..... 14 mm (0.6 in)
Length ..... 70 mm (2.8 in)
Female center conductor protrusion ..... 0.204 to 0.207 inch
Male center conductor recession ..... 0.208 to 0.211 inch





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Customer Order Number

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Manufacturing Part Number



11852-90009

Printed in USA August 2005

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