11852B Minimum Loss Pad User's and Service Guide



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By internet, phone, or fax, get assistance with all your test & measurement needs.

Table 0-1. Agilent Technologies Sales and Service Offices

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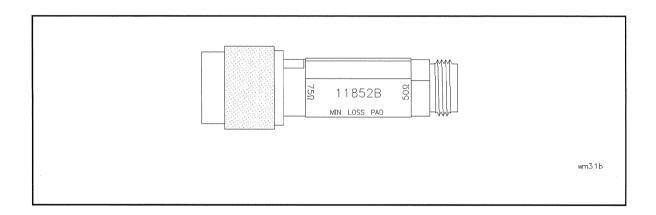
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11852B Minimum Loss Pad

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.

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

Operating Characteristics

Frequency range	dc to 3.0 GHz
Nominal insertion loss	
Return loss 75Ω side (50Ω side terminated)	$\dots \ge 32 \text{ dB}, \text{ dc to } 2 \text{ GHz}$
	$\dots \ge 27 \text{ dB}, 2 \text{ GHz to } 3 \text{ GHz}$
Return loss 50Ω side (75Ω side terminated)	$\ldots \geq 32 \text{ dB, dc to } 2 \text{ GHz}$
	$\dots \ge 27 \text{ dB}, 2 \text{ GHz to } 3 \text{ GHz}$
Maximum input power	

Physical Characteristics

Standard connectors	50Ω type-N (f), 75 Ω 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

WEEE Compliance



This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic productd in domestic household waste.Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as a "Monitoring and Control Instrumentation" product.Do not dispose in domestic household waste. To return unwanted products, contact your local Agilent office, or see www.agilent.com for more information.

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Customer Order Number

For Agilent Internal Reference Only Manufacturing Part Number



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