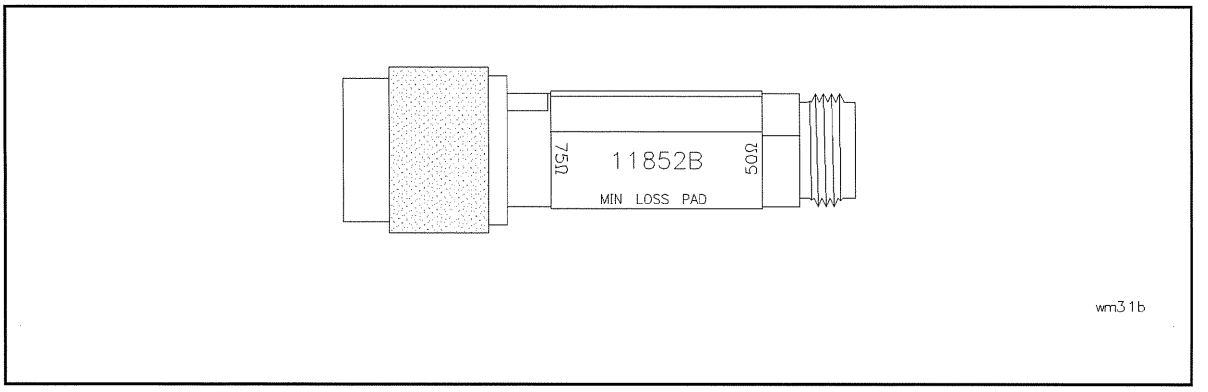
11852B Minimum Loss Pad

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.

Operating Characteristics

Frequency range	dc to 3.0 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

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.