

Precision Fixed Attenuator

BW-N9W5+

50Ω 5W 9dB

DC to 18000 MHz

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C**

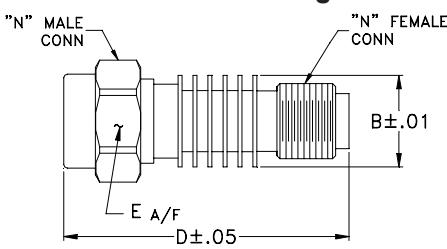
**With mated connectors. Unmated, 85°C max.

Permanent damage may occur if any of these limits are exceeded.



CASE STYLE: DC736

Connectors	Model
N-Female	BW-N9W5+

Outline Drawing**Outline Dimensions (inch/mm)**

B	D	E	wt
.61	1.90	.812	grams
15.49	48.26	20.62	49.7

Features

- DC to 18000 MHz
- precise attenuation
- excellent VSWR, 1.20 typ
- stainless steel N male and female connectors

Applications

- matching
- instrumentation
- test set-ups

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION ¹ (dB)		VSWR ² (:1)		MAX. INPUT POWER ³ (W)
	f _L -f _U	Nom.	DC-4 GHz	4-8 GHz	
DC-18000	9	-0.4, +0.8	1.20	1.25	1.30

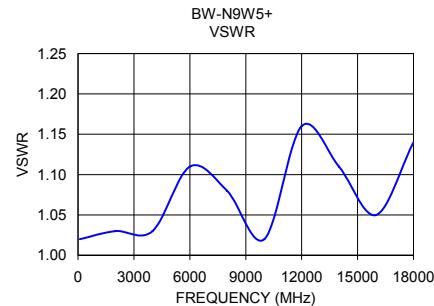
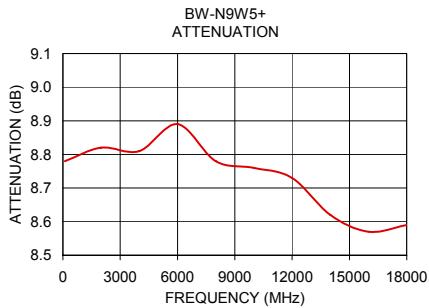
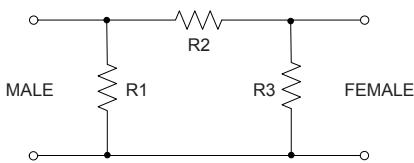
1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/dB/°C typ.

2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.

3. Average power at 25°C ambient, derate linearly to 2W at 100°C. Peak Power 125W max. 5μsec. pulse width, 100 Hz PRF.

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	8.78	1.02
2000	8.82	1.03
4000	8.81	1.03
6000	8.89	1.11
8000	8.78	1.08
10000	8.76	1.02
12000	8.73	1.16
14000	8.62	1.11
16000	8.57	1.05
18000	8.59	1.14

Electrical Schematic**Notes**

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp