

# Precision Fixed Attenuator

50Ω 5W 15dB DC to 18000 MHz

## BW-N15W5+



Generic photo used for illustration purposes only

CASE STYLE: DC736

Connectors	Model
N-Female N-Male	BW-N15

**+RoHS Compliant**

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

### 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.

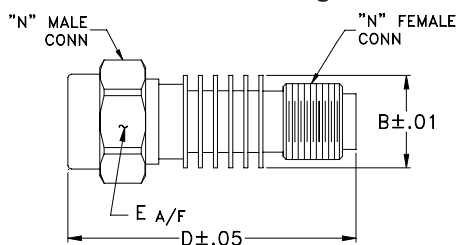
### Features

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

### Applications

- matching
- instrumentation
- test set-ups

### Outline Drawing



### Outline Dimensions (inch/mm)

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

### Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION <sup>1</sup> (dB)		VSWR <sup>2</sup> (:1)			MAX. INPUT POWER <sup>3</sup> (W)
	Nom.	ACCURACY	DC-4 GHz Max.	4-8 GHz Max.	8-12.4 GHz Max.	
$f_L - f_U$ DC-18000	15	±0.60	1.20	1.25	1.30	5

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

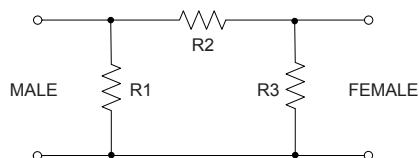
2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.

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

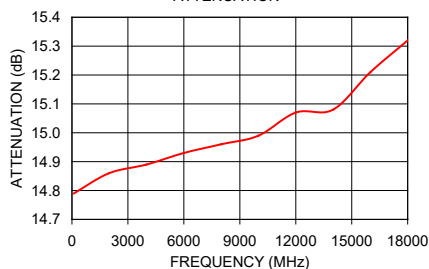
### Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	14.79	1.01
2000	14.86	1.01
4000	14.89	1.02
6000	14.93	1.07
8000	14.96	1.07
10000	14.99	1.10
12000	15.07	1.08
14000	15.08	1.10
16000	15.21	1.13
18000	15.32	1.08

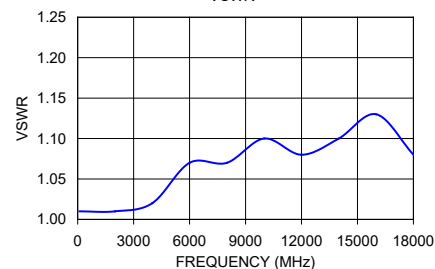
### Electrical Schematic



BW-N15W5+ ATTENUATION



BW-N15W5+ VSWR



### 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-Circuit's 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/WCLStore/terms.jsp](http://www.minicircuits.com/WCLStore/terms.jsp)

