

Coaxial

Precision Fixed Attenuator

BW-N3W5+

50Ω 5W 3dB 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.	



Generic photo used for illustration purposes only

CASE STYLE: DC736

Connectors	Model
N-Female N-Male	BW-N3W5+

+RoHS Compliant

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

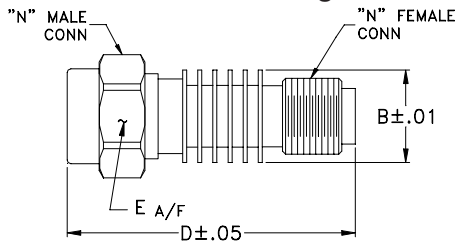
Features

- 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

勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>

Electrical Specifications

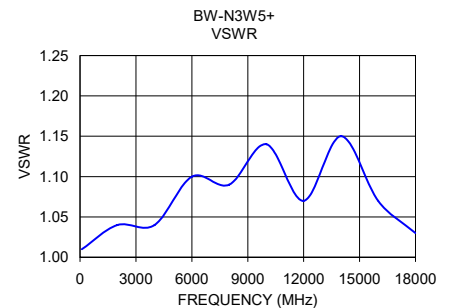
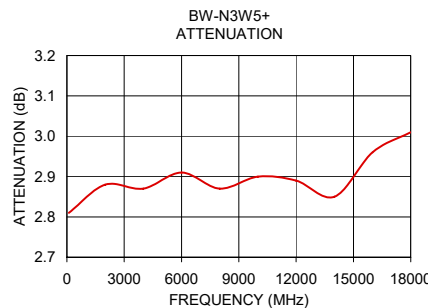
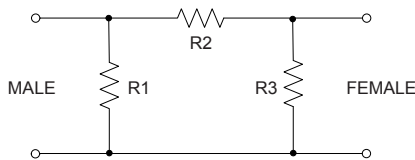
FREQ. RANGE (MHz)	ATTENUATION ¹ (dB)		VSWR ² (:1)			MAX. INPUT POWER ³ (W)
	Nom.	ACCURACY	DC-4 GHz Max.	4-8 GHz Max.	8-12.4 GHz Max.	
$f_L - f_U$ DC-18000	3	±0.40	1.20	1.25	1.30	5

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	2.81	1.01
2000	2.88	1.04
4000	2.87	1.04
6000	2.91	1.10
8000	2.87	1.09
10000	2.90	1.14
12000	2.89	1.07
14000	2.85	1.15
16000	2.96	1.07
18000	3.01	1.03

Electrical Schematic



Notes

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

