

# Precision Fixed Attenuator

## BW-N1W5+

50Ω 5W 1dB DC to 18000 MHz



CASE STYLE: DC736

### 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

Connectors	Model	Price	Qty.
N-Female N-Male	BW-N1W5+	\$54.95 ea.	(1-49)

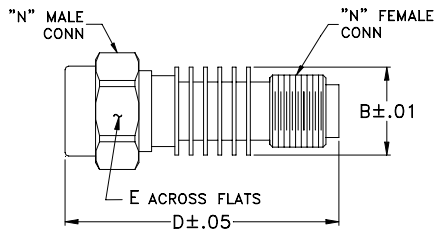
### Applications

- matching
- instrumentation
- test set-ups

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

### 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	1	±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	0.80	1.01
2000	0.87	1.03
4000	0.91	1.03
6000	0.98	1.09
8000	1.02	1.15
10000	1.04	1.12
12000	1.09	1.09
14000	1.16	1.19
16000	1.27	1.21
18000	1.29	1.27

### Electrical Schematic

