# **Precision Fixed Attenuator**

DC to 18000 MHz  $50\Omega$ **5W** 2dB

#### **Maximum Ratings**

Operating Temperature -55°C to 100°C Storage Temperature -55°C to 100°C\*\*

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

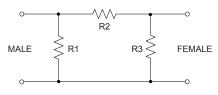
Permanent damage may occur if any of these limits are exceeded

# Outline Drawing "N" FEMALE MALE, CONN CONN B±.01 – E A/F D±.05

# Outline Dimensions (inch )

Е D wt 1.90 .812 .61 grams 15 49 48 26 20.62 49 7

#### **Electrical Schematic**



#### **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

# **BW-N2W5+**



Generic photo used for illustration purposes only

CASE STYLE: DC736 Connectors Model

N-Female N-Male BW-N2W5+

+RoHS Compliant

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

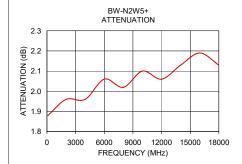
## **Electrical Specifications**

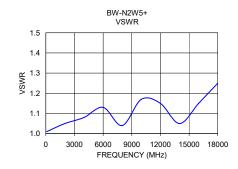
FREQ. RANGE (MHz)		NUATION¹ dB)  ACCURACY	DC-4 GHz Max.	VSWR <sup>2</sup> (:1)  4-8 GHz Max.	8-12.4 GHz Max.	MAX. INPUT POWER <sup>3</sup> (W)
f <sub>L</sub> -f <sub>U</sub>	INOITI.		iviax.	iviax.	iviax.	
DC-18000	2	±0.40	1.20	1.25	1.30	5

- 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, 5usec, pulse width, 100 Hz PRF.

## **Typical Performance Data**

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	1.88	1.01
2000	1.96	1.05
4000	1.96	1.08
6000	2.06	1.13
8000	2.02	1.04
10000	2.10	1.17
12000	2.06	1.15
14000	2.13	1.05
16000	2.19	1.15
18000	2.13	1.25





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