Coaxial

Precision Fixed Attenuator

BW-N3W5+

50Ω 5W 3dB DC to 18000 MHz

CASE STYLE: DC736

Connectors	Model	Price	Qty.
N-Female N-Male	BW-N3W5+	$54.95 ea.	(1-49)

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

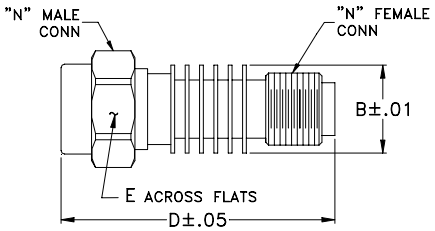
Applications

- matching
- instrumentation
- test set-ups

+ 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

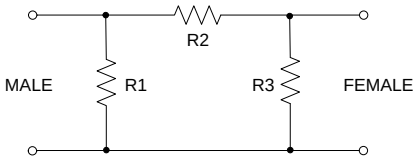
FREQ. RANGE (MHz)	ATTENUATION[1] (dB)		VSWR[2] (:1)			MAX. INPUT POWER[3] (W)
			DC-4 GHz	4-8 GHz	8-12.4 GHz	
f_L-f_U	Nom.	ACCURACY	Max.	Max.	Max.	
DC-18000	3	±0.40	1.20	1.25	1.30	5

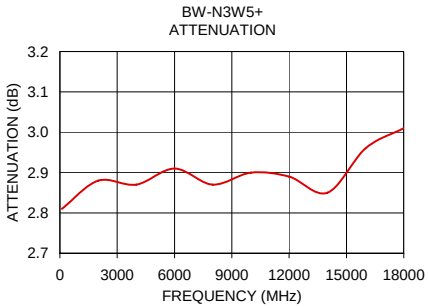
1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/dB/°C typ.
2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.
3. Average power at 25°C ambient, derate linearly to 2W at 100°C. Peak Power 125W max. 5µsec. pulse width, 100 Hz PRF.

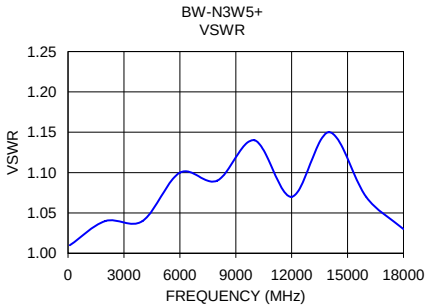
Typical Performance Data

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







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EA-8722
BW-N3W5+
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