

Coaxial

Precision Fixed Attenuator

BW-N40W5+

50Ω 5W 40dB DC to 18000 MHz



Generic photo used for illustration purposes only

CASE STYLE: DC736

Connectors	Model
N-Female N-Male	BW-N40W5+

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.

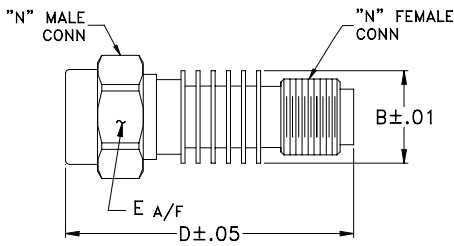
Features

- 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 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	40	±1.5	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.

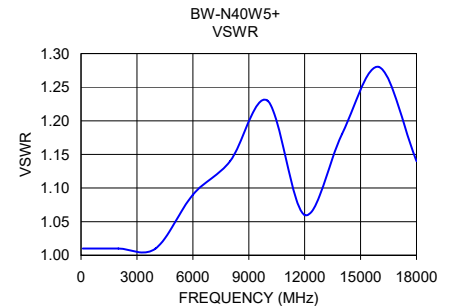
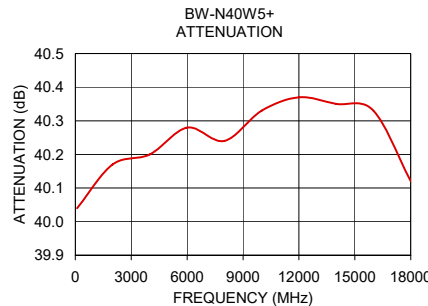
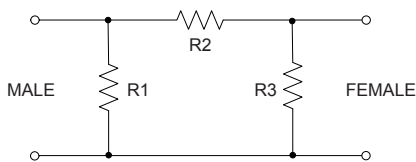
3. Average power at 25°C ambient, derate linearly to 2W at 100°C. Peak Power 125W max. 5µsec. pulse width, 100 Hz PRF.

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	40.04	1.01
2000	40.17	1.01
4000	40.20	1.01
6000	40.28	1.09
8000	40.24	1.14
10000	40.33	1.23
12000	40.37	1.06
14000	40.35	1.18
16000	40.33	1.28
18000	40.12	1.14

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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.
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