Precision Fixed Attenuator

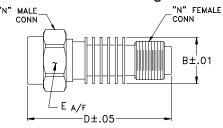
DC to 18000 MHz 6dB 50Ω 5W

Maximum Ratings

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

Permanent damage may occur if any of these limits are exceeded

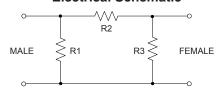
Outline Drawing



Outline Dimensions (inch)

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

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-N6W5+



Generic photo used for illustration purposes only

CASE STYLE: DC736

Connectors Model N-Female N-Male BW-N6W5+

+RoHS Compliant

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

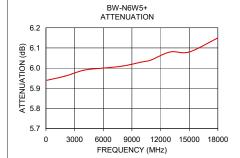
Electrical Specifications

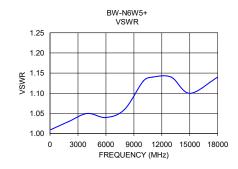
FREQ. RANGE (MHz)	(NUATION¹ dB) ACCURACY	DC-4 GHz	VSWR ² (:1) 4-8 GHz	8-12.4 GHz	MAX. INPUT POWER ³ (W)
f _L -f _U	Nom.		Max.	Max.	Max.	
DC-18000	6	±0.40	1.20	1.25	1.30	5

- 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	5.94	1.01
2000	5.96	1.03
4000	5.99	1.05
6000	6.00	1.04
8000	6.01	1.06
10000	6.03	1.13
11000	6.04	1.14
13000	6.08	1.14
15000	6.08	1.10
18000	6.15	1.14





- A. 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.

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

 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. Ferrormance and updany authorities and 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-Circuit's 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/MCLStore/terms.jsp

^{**}With mated connectors. Unmated, 85°C max.