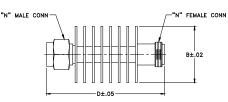
Coaxial **Precision Fixed Attenuator**

10dB **50**Ω 20W

Maximum Ratings

Operating Temperature	-55°C to 100°C**		
Storage Temperature	-55°C to 100°C		
**85°C with output into open or short. Permanent damage may occur if any of these limits are exceeded.			

Outline Drawing



Outline Dimensions (inch)

wt	Е	D	С	В	А
grams		3.04		1.50	
86.0		77.22		38.10	

DC to 18 GHz

Features

- DC to 18 GHz
- precise attenuation
- excellent VSWR, 1.30 typ
- stainless steel N male and female connectors

Applications

- matching
- instrumentation • test set-ups
- · high power measurements

BW-N10W20+



Generic photo used for illustration purposes only CASE STYLE: DC1645 Model Connectors N-Female N-Male BW-N10W20+

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

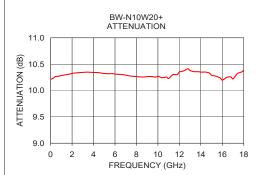
Electrical Specifications at 25°C

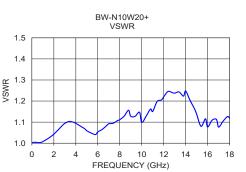
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
Attenuation	DC - 18	_	10	_	
	DC - 12.4	9.25	_	10.75	dB
	12.4 - 18	9.0	_	11.0	
	DC - 6	_	—	1.3	
VSWR	6 - 12.4	_	_	1.3	:1
	12.4 - 18	_	_	1.4	
Input Power ¹	DC - 18	_	_	20	W

1. Max. power at 25°C ambient, derate linearly to 4W at 100°C. Peak power 500W max. 5µsec. pulse with, 100Hz PRF.

Typical Performance Data

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Frequency (GHz)	Attenuation (dB)	VSWR (:1)		
0.05	10.22	1.00		
2.0	10.33	1.04		
4.0	10.34	1.09		
6.0	10.31	1.05		
8.0	10.27	1.11		
10.0	10.27	1.10		
12.4	10.37	1.25		
14.0	10.35	1.25		
16.0	10.20	1.08		
18.0	10.39	1.12		





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 ins C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collective). "Standard Terms": Burshearm of this use

Electrical specifications and performance data 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-Circuits 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



☐Mini-Circuits[®]

www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

Electrical Schematic

