Coaxial **Precision Fixed Attenuator**

20dB

DC to 18 GHz

Maximum Ratings

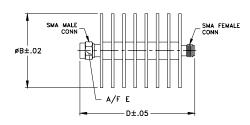
50Ω

Operating Temperature -55°C to 100°C** -55°C to 100°C Storage Temperature **85°C with output into open or short.

20W

Permanent damage may occur if any of these limits are exceeded

Outline Drawing



Outline Dimensions (inch)

А	В	С	D	E	wt
	1.50		2.33	.312	grams
	38.10		59.18	7.92	49.2

Features

- DC to 18 GHz
- precise attenuation
- excellent VSWR, 1.30:1 typ
- stainless steel SMA male and female connectors

Applications

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





CASE STYLE: DC1660 Connectors Model SMA-F SMA-M BW-S20W20+

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

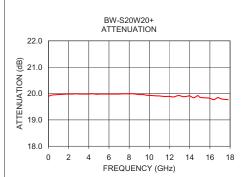
Electrical Specifications at 25°C

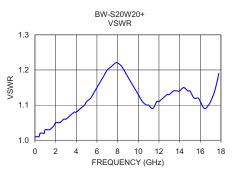
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
	DC - 18	_	20	_	
Attenuation	DC - 12.4	19.25	_	20.75	dB
	12.4 - 18	19.0	_	21.0	
	DC - 6	—	—	1.3	
VSWR	6 - 12.4	_	_	1.3	:1
	12.4 - 18	_	_	1.40	
Input Power ¹		_	_	20	W

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

Typical Performance Data

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Frequency (GHz)	Attenuation (dB)	VSWR (:1)				
0.01	19.90	1.01				
2.0	19.98	1.05				
4.0	19.98	1.08				
6.0	19.98	1.15				
8.0	19.99	1.22				
10.0	19.93	1.13				
12.4	19.87	1.12				
14.0	19.91	1.14				
16.0	19.82	1.11				
18.0	19.78	1.23				





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

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

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Electrical Schematic

