Precision Fixed Attenuator

BW-S20W20+

 50Ω 20W 20dB

DC to 18 GHz

excellent VSWR, 1.30:1 typ

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

• stainless steel SMA male and female connectors

• DC to 18 GHz precise attenuation

Features

- **Applications** matching
- instrumentation
- test set-ups
- · high power measurements

Generic photo used for illustration purposes only

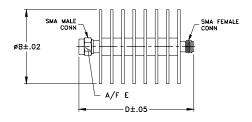
CASE STYLE: DC1660

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

Outline Drawing



Outline Dimensions (inch)

wt	E	D	С	В	Α
grams	.312	2.33		1.50	
49.2	7 92	59 18		38 10	

Electrical Specifications at 25°C

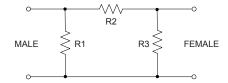
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
	DC - 18	_	20	_	
Attenuation	DC - 12.4	19.25	_	20.75	dB
	12.4 - 18	19.0	_	21.0	
	DC - 6	_	_	1.3	
VSWR	6 - 12.4	_	_	1.3	:1
	12.4 - 18	_	_	1.40	
Input Power ¹		_	_	20	W

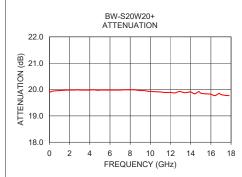
1. Max. power at 25°C ambient, derate linearly to 4W at 100°C. Peak power 500W max. 5µsec. pulse width, 100Hz PRF.

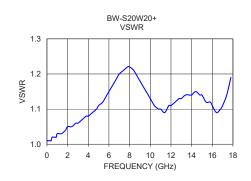
Typical Performance Data

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

Electrical Schematic







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