Coaxial **Precision Fixed Attenuator**

3dB

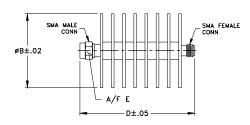
50Ω 20W

Maximum Ratings

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

Permanent damage may occur if any of these limits are exceeded

Outline Drawing



Outline Dimensions (inch)

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

DC to 18 GHz

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

BW-S3W20+



Generic photo used for illustration purposes only CASE STYLE: DC1660

Connectors Model SMA-F SMA-M BW-S3W20+

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

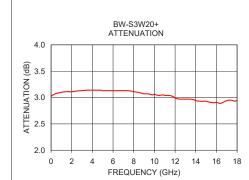
Electrical Specifications at 25°C

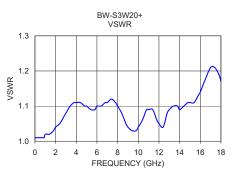
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
Attenuation	DC - 18	_	3	_	
	DC - 12.4 12.4 - 18	2.5 2.25	_	3.5 3.75	dB
	DC - 6			1.3	:1
VSWR	6 - 12.4	_	_	1.3	
	12.4 - 18	_	_	1.4	
Input Power ¹	DC - 18	_	_	20	w

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

Typical Performance Data

Frequency (GHz)	Attenuation (dB)	VSWR (:1)	
0.01	3.02	1.01	
2.0	3.11	1.04	
4.0	3.14	1.11	
6.0	3.13	1.10	
8.0	3.11	1.10	
10.0	3.06	1.04	
12.4	2.97	1.04	
14.0	2.94	1.09	
16.0	2.91	1.14	
18.0	2.95	1.17	



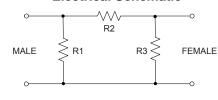


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Electrical Schematic



Mouser Electronics

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