Precision Fixed Attenuator

BW-S10W20+

10dB DC to 18 GHz 50Ω 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

Features

• DC to 18 GHz

Applications

instrumentation

matching

• test set-ups

- precise attenuation
- excellent VSWR, 1.30:1 typ

· high power measurements

• stainless steel SMA male and female connectors

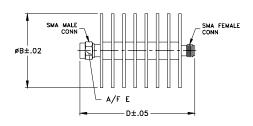
CASE STYLE: DC1660

Connectors		Model		
SMA-F	SMA-M	BW-S10W20+		

+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	
10.2	7 92	50 18		38 10	

Electrical Specifications at 25°C

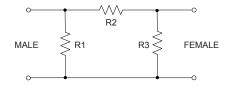
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
Attenuation	DC - 18	_	10	_	
	DC - 12.4 12.4 - 18	9.25 9.0		10.75 11.0	dB
	DC - 6	_	_	1.3	
VSWR	6 - 12.4	_	_	1.3	:1
	12.4 - 18	_	_	1.4	
Input Power ¹	DC - 18	_	_	20	W

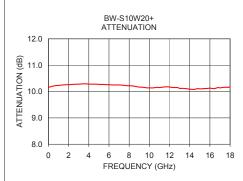
1. Max. power at 25°C ambient, derate linearly to 4W at 100°C. Peak power 500W max. 5µsec. pulse width, 100Hz PRF.

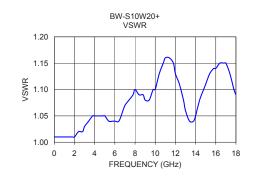
Typical Performance Data

Frequency (GHz)	Attenuation (dB)	VSWR (:1)
0.01	10.15	1.01
2.0	10.26	1.01
4.0	10.28	1.05
6.0	10.26	1.04
8.0	10.22	1.10
10.0	10.14	1.10
12.4	10.15	1.11
14.0	10.09	1.05
16.0	10.13	1.14
18.0	10.18	1.09

Electrical Schematic







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