# Coaxial **Precision Fixed Attenuator**

#### 30dB **50**Ω 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





Generic photo used for illustration purposes only

CASE STYLE: DC1660 Model

Connectors SMA-F SMA-M

#### +RoHS Compliant

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

BW-S30W20+

#### Electrical Specifications at 25°C

Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
Attenuation	DC - 18	-	30	_	
	DC- 12.4 12.4 - 18	29.0 28.5		31.0 31.5	dB
	DC - 6	-	-	1.30	:1
VSWR	6 - 12.4	-	-	1.3	
	12.4 - 18	_	—	1.4	
Input Power <sup>1</sup>		-	-	20	w

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

#### **Typical Performance Data**

Frequency (GHz)	Attenuation (dB)	VSWR (:1)	
0.01	30.18	1.01	
2.0	30.24	1.04	
4.0	30.21	1.05	
6.0	30.15	1.08	
8.0	30.05	1.13	
10.0	29.92	1.04	
12.4	29.79	1.09	
14.0	29.72	1.07	
16.0	29.55	1.05	
18.0	29.45	1.15	





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## **Electrical Schematic**



M151107 BW-S30W20+ MD/TD/CP/AM 200504 Page 1 of 1

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