# Coaxial **Precision Fixed Attenuator**

3dB

#### **50**Ω 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.		



### Outline Dimensions (inch )

wt	Е	D	С	В	А
grams		3.04		1.50	
86.0		77.22		38.10	

**Electrical Schematic**  $\sim$ 

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## DC to 18 GHz

#### **Features**

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

#### **Applications**

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

# **BW-N3W20+**



Generic photo used for illustration purposes only CASE STYLE: DC1645 Model Connectors N-Female N-Male BW-N3W20+

+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	2.5	_	3.5	dB
	12.4 - 18	2.25	_	3.75	
	DC - 6	—	—	1.3	
VSWR	6 - 12.4	_	-	1.3	:1
	12.4 - 18	_	_	1.4	
Input Power <sup>1</sup>	DC - 18	_	_	20	W

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

#### **Typical Performance Data**

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Frequency (GHz)	Attenuation (dB)	VSWR (:1)			
0.01	2.92	1.01			
2.0	3.04	1.02			
4.0	3.06	1.06			
6.0	3.07	1.07			
8.0	3.03	1.08			
10.0	3.08	1.08			
12.4	3.13	1.16			
14.0	3.03	1.22			
16.0	3.01	1.30			
18.0	3.16	1.27			





#### Notes

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REV. C M153260 BW-N3W20+ MD/TD/CP/AM 200504 Page 1 of 1



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