Precision Fixed Attenuator

BW-S40W20+

DC to 18 GHz 40dB 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, 1.25:1 typ

· high power measurements

• stainless steel SMA male and female connectors

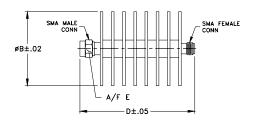
CASE STYLE: DC1660

Connec	ctors	Model	Price	Qty.	
SMA-F	SMA-M	BW-S40W20+	\$149.95 ea.	(1-49)	

+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

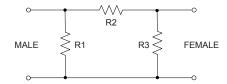
Parameter	Condition (GHz)	Min.	Тур.	Max.	Unit
Frequency Range		DC	_	18	GHz
	DC - 18	_	40	_	
Attenuation	DC - 12.4	38.5	_	41.0	dB
	12.4 - 18	38.0	_	41.5	
VSWR	DC - 6	_	1.08	1.3	:1
VOVIN	6 - 12.4	_	1.15	1.3	:1
	12.4 -18	_	1.25	1.4	
Input Power ¹		_	_	20	W

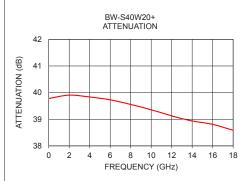
1, Max, power at 25°C ambient, derate linearly to 4W at 100°C. Peak power 500W max, 5usec, pulse width, 100Hz PRE

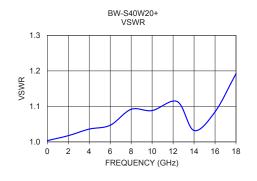
Typical Performance Data

Frequency (GHz)	Attenuation (dB)	VSWR (:1)
0.01	39.78	1.00
2	39.91	1.02
4	39.84	1.04
6	39.73	1.05
8	39.56	1.09
10	39.36	1.09
12	39.08	1.11
14	38.94	1.03
16	38.81	1.08
18	38.59	1.19

Electrical Schematic







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