

Coaxial

Precision Fixed Attenuator

BW-S1W2+

50Ω 2W 1dB DC to 18000 MHz



Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C**

**With mated connectors, unmated, 85°C max.

Features

- DC to 18000 MHz
- precise attenuation
- excellent VSWR, 1.20 typ.
- stainless steel SMA male and female connectors

CASE STYLE: FF658

Connectors	Model	Price	Qty.
SMA Female-SMA Male	BW-S1W2+	29.95 ea.	(1-49)

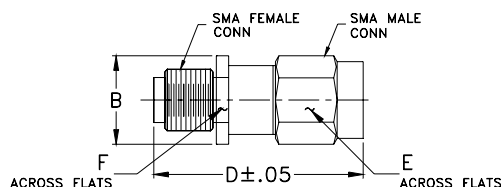
Applications

- matching
- instrumentation
- test set-ups

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS
Compliance. See our web site for RoHS Compliance
methodologies and qualifications.

Outline Drawing



Outline Dimensions (inch/mm)

B	D	E	F	wt
.36	.85	.312	.312	grams
9.14	21.59	7.92	7.92	4.3

Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION ¹ (dB)		VSWR ² (:1)			MAX. INPUT POWER ³ (W)
	Nom.	ACCURACY	DC-4 GHz Max.	4-8 GHz Max.	8-12.4 GHz Max.	
f _L -f _U						
DC-18000	1	±0.40	1.20	1.25	1.30	2

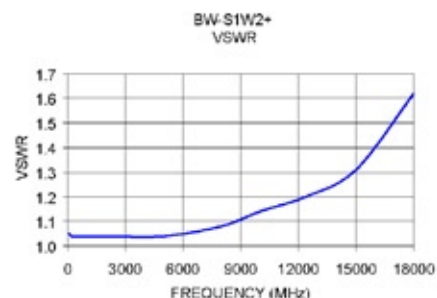
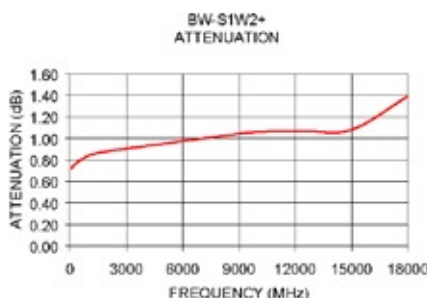
1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/dB/°C typ.

2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.

3. Average power at 25°C ambient, derate linearly to 0.5W at 100°C. Peak Power 125W max. 5μsec pulse width, 100 Hz PRF

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100.00	0.72	1.05
199.90	0.75	1.04
1000.00	0.84	1.04
1999.90	0.88	1.04
5000.00	0.95	1.04
7999.90	1.02	1.08
9999.90	1.06	1.14
12400.10	1.07	1.24
15000.00	1.08	1.31
18000.00	1.39	1.62



designers kit available

Kit No.	No. of Units in Kit	Description	Price \$ per Kit
K2-BW1+	6	2 of ea. 3+, 6+, 10+	150.00
K2-BW2+	6	1 of ea. 3+, 6+, 10+, 20+, 30+, 40+	150.00
K2-BW3+	10	1 of ea. 1+, 2+, 3+, 4+, 5+, 6+, 7+, 8+, 9+, 10+	200.00

INTERNET <http://www.minicircuits.com>

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Mini-Circuits ISO 9001 & ISO 14001 Certified

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BW-S1W2
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