

# Precision Fixed Attenuator

## BW-S5W2+

50Ω 2W 5dB DC to 18000 MHz

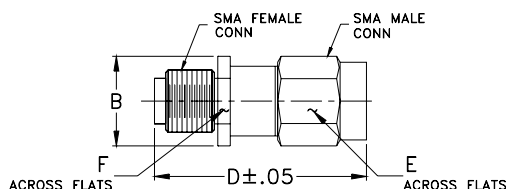
### Maximum Ratings

Operating Temperature -55°C to 100°C

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

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

### 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

### Features

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

### Applications

- matching
- instrumentation
- test set-ups



CASE STYLE: FF658

Connectors	Model	Price	Qty.
SMA Female-SMA Male	BW-S5W2+	29.95 ea.	(1-49)

**+ 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.

### Electrical Specifications

FREQ. RANGE (MHz)	ATTENUATION <sup>1</sup> (dB)		VSWR <sup>2</sup> (:1)			MAX. INPUT POWER <sup>3</sup> (W)
	Nom.	ACCURACY	DC-4 GHz Max.	4-8 GHz Max.	8-12.4 GHz Max.	
DC-18000	5	±0.40	1.20	1.25	1.30	2

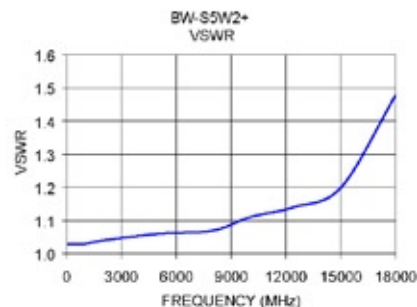
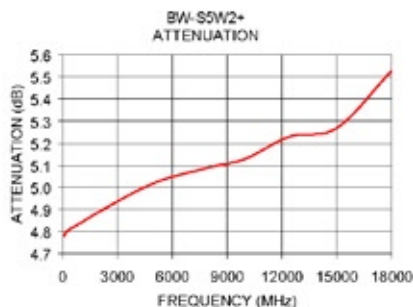
1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/°C typ.

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	4.78	1.03
199.90	4.80	1.03
1000.00	4.84	1.03
1999.90	4.89	1.04
5000.00	5.02	1.06
7999.90	5.09	1.07
9999.90	5.13	1.11
12400.10	5.23	1.14
15000.00	5.27	1.20
18000.00	5.53	1.48



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