

Precision Fixed Attenuator

BW-S10W2+

50Ω 2W 10dB DC to 18000 MHz



CASE STYLE: FF658

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

Connectors	Model	Price	Qty.
SMA Female-SMA Male	BW-S10W2+	29.95 ea.	(1-49)

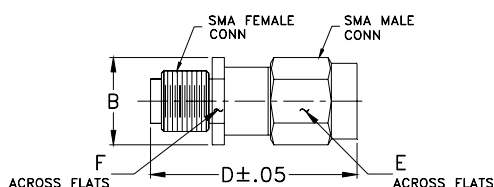
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Applications

- matching
- instrumentation
- test set-ups

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	10	±0.60	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.

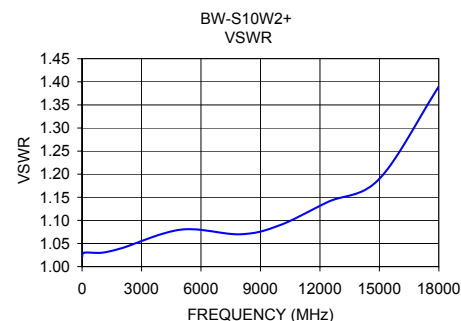
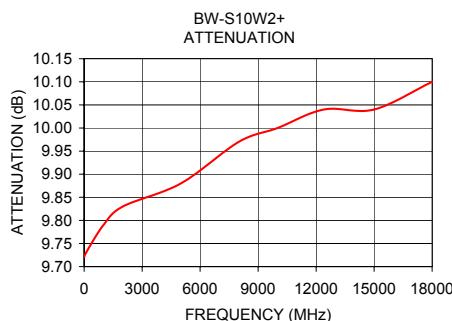
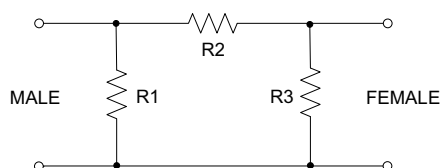
2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.

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)
1.00	9.72	1.02
100.00	9.73	1.03
1000.00	9.79	1.03
1999.90	9.83	1.04
5000.00	9.88	1.08
7999.90	9.97	1.07
9999.90	10.00	1.09
12400.10	10.04	1.14
15000.00	10.04	1.19
18000.00	10.10	1.39

Electrical Schematic



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RF/IF MICROWAVE COMPONENTS

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