

Coaxial

Precision Fixed Attenuator

BW-S15W5+

50Ω 5W 15dB DC to 18000 MHz



CASE STYLE: DC737

Maximum Ratings

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

**With mated connectors. Unmated, 85°C max.
Permanent damage may occur if any of these limits are exceeded.

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-S15W5+	44.95 ea.	(1-49)

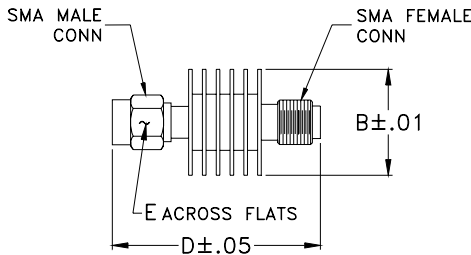
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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	wt
.61	1.20	.312	grams
15.49	30.48	7.92	9.1

Electrical Specifications

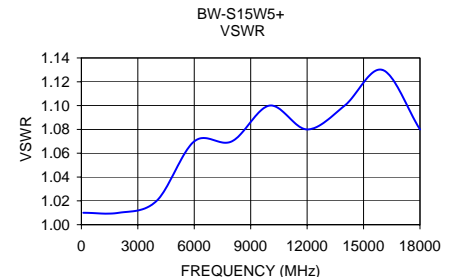
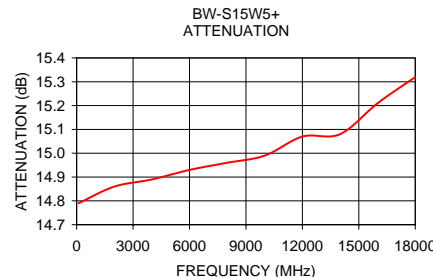
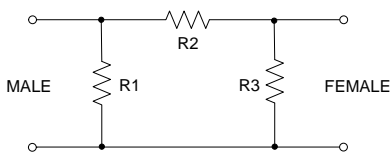
FREQ. RANGE (MHz)	ATTENUATION ¹ (dB)		VSWR ² (:1)			MAX. INPUT POWER ³ (W)
	Nom.	ACCURACY	DC-4 GHz Max.	4-8 GHz Max.	8-12.4 GHz Max.	
f_L - f_U						
DC-18000	15	±0.60	1.20	1.25	1.30	5

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 2W at 100°C. Peak Power 125W max. 5µsec pulse width, 100 Hz PRF.

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
100	14.79	1.01
2000	14.86	1.01
4000	14.89	1.02
6000	14.93	1.07
8000	14.96	1.07
10000	14.99	1.10
12000	15.07	1.08
14000	15.08	1.10
16000	15.21	1.13
18000	15.32	1.08

Electrical Schematic



Mini-Circuits
ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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