Precision Fixed Attenuator

BW-S40W5+

 50Ω

5W

40dB

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.

Permanent damage may occur if any of these limits are exceeded.

Features

• DC to 18000 MHz

Applications

 instrumentation • test set-ups

matching

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

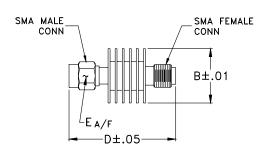
Generic photo used for illustration purposes only CASE STYLE: DC737

Connectors Model SMA Female-SMA Male BW-S40W5+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Outline Drawing



Outline Dimensions (inch)

В D Е wt 1.20 .61 .312 grams 15.49 30.48 7.92 9.1

Electrical Specifications

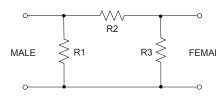
FREQ. RANGE (MHz)	ATTENUATION ¹		VSWR ² (:1)			MAX. INPUT POWER ³
			DC-4 GHz	4-8 GHz	8-12.4 GHz	(W)
f _L f _U	Nom.	ACCURACY	Max.	Max.	Max.	
DC-18000	40	±1.5	1.20	1.25	1.30	5

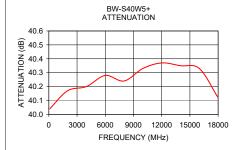
- 1. At 25°C, accuracy includes frequency and power variations. Temperature coefficient for attenuation: .0004dB/dB/°C typ.
- 2. VSWR from 12.4 to 18 GHz, 1.6:1 typ.
- 3. Average power at 25°C ambient, derate linearly to 2W at 100°C. Peak Power 125W max. 5µsec pulse width, 100 Hz PRF.

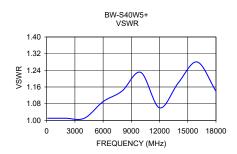
Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)	
100	40.04	1.01	
2000	40.17	1.01	
4000	40.20	1.01	
6000	40.28	1.09	
8000	40.24	1.14	
10000	40.33	1.23	
12000	40.37	1.06	
14000	40.35	1.18	
16000	40.33	1.28	
18000	40.12	1.14	

Electrical Schematic







A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Ferms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Ferms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp