

## Precision Fixed Attenuator

BW-S10-2W263+

50Ω 2W 10dB DC to 26 GHz

## Maximum Ratings

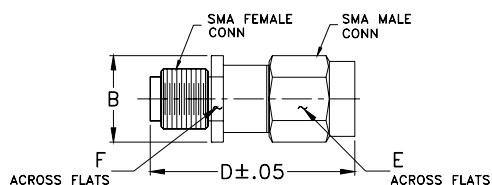
Operating Temperature -55°C to 100°C

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.

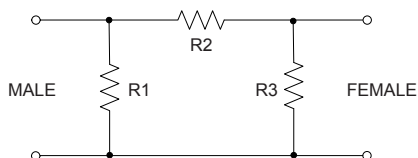
## Outline Drawing



## 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 Schematic



## Features

- DC to 26 GHz
- precise attenuation
- excellent VSWR, 1.07 typ
- stainless steel SMA male and female connectors

## Applications

- matching
- instrumentation
- test set-ups



Generic photo used for illustration purposes only

CASE STYLE: FF659

Connectors Model  
SMA-Fem SMA-Male BW-S10-2W263+

## +RoHS Compliant

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

## Electrical Specifications at 25°C

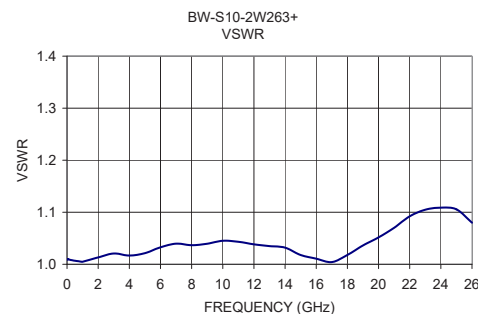
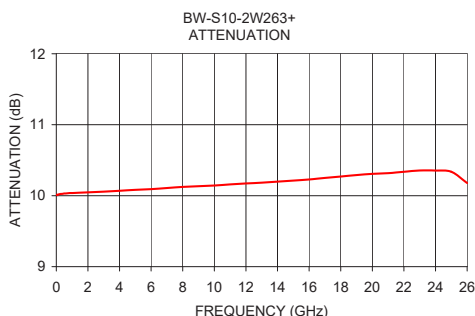
Parameter	Condition (GHz)	Min.	Typ.	Max.	Unit
<b>Frequency Range</b>		DC	—	26	GHz
<b>Attenuation<sup>1</sup></b>	DC - 26	—	10	—	
	DC - 12	9.6	—	10.4	dB
	12 - 18	9.6	—	10.4	
	18 - 26	9.6	—	10.8	
<b>VSWR</b>	DC - 12	—	1.05	1.20	
	12 - 18	—	1.07	1.25	:1
	18 - 26	—	1.13	1.35	
<b>Input Power<sup>2</sup></b>	DC - 26	—	—	2	W

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

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

## Typical Performance Data

Frequency (GHz)	Attenuation (dB)	VSWR (:1)
0.01	10.01	1.01
1.0	10.04	1.00
4.0	10.07	1.02
8.0	10.12	1.04
10.0	10.14	1.05
12.0	10.17	1.04
14.0	10.20	1.03
16.0	10.23	1.01
18.0	10.27	1.02
20.0	10.31	1.05
26.0	10.18	1.08



## Notes

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 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](http://www.minicircuits.com/MCLStore/terms.jsp)

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