

SMA/BNC

# Adaptenuator

NON-CATALOG

SF-BF-3

50Ω 0.5W 3dB DC to 2000 MHz

## Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 150°C

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

## Features

- improved interface matching
- wideband, DC to 2000 MHz, useable to 4000 MHz
- excellent VSWR, 1.1:1 typ.
- excellent flatness, ±0.1dB typ.
- rugged unibody construction



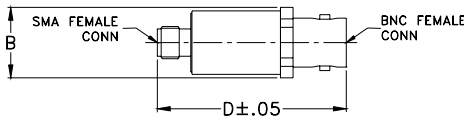
CASE STYLE: DJ872

Connectors	Model
Conn1 SMA-Female	Conn2 BNC-Female
SF-BF-3	

## Applications

- instrumentation
- provides attenuation and connector type change
- minimizes hardware

## Outline Drawing



## Electrical Specifications

FREQ. (MHz)	ATTENUATION (dB)						VSWR (:1)						MAX. INPUT POWER (W)	
	Flatness*													
	DC-500 MHz		DC-1000 MHz		DC-2000 MHz		DC-500 MHz		DC-1000 MHz		DC-2000 MHz			
$f_L-f_U$	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
DC-2000	3±0.3	0.05	0.15	0.10	0.20	0.15	0.25	1.1	1.2	1.1	1.2	1.2	1.25	0.5

\*Flatness defined as peak to peak attenuation over band divided by 2.

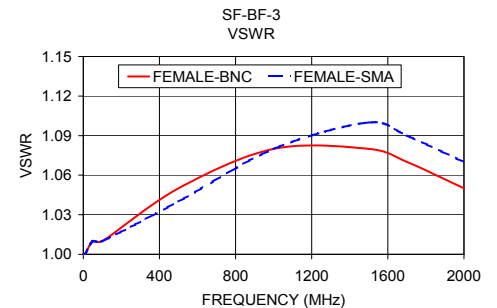
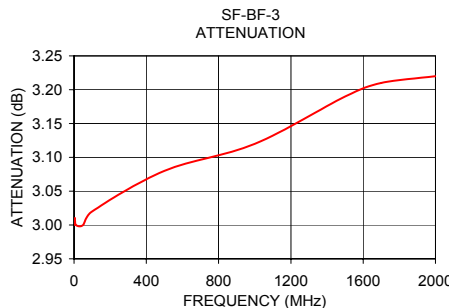
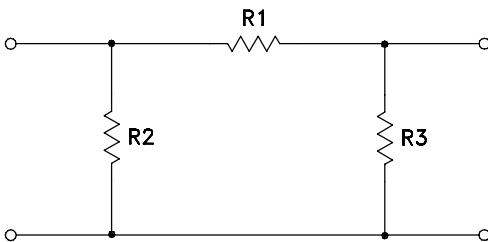
## Typical Performance Data

FREQUENCY (MHz)	ATTENUATION (dB)	VSWR (:1)	
		BNC-Female	SMA-Female
1.00	3.00	1.00	1.00
5.00	3.01	1.00	1.00
10.00	3.00	1.00	1.00
50.00	3.00	1.01	1.01
100.00	3.02	1.01	1.01
500.00	3.08	1.05	1.04
1000.00	3.12	1.08	1.08
1500.00	3.19	1.08	1.10
1700.00	3.21	1.07	1.09
2000.00	3.22	1.05	1.07

## Outline Dimensions (inch/mm)

B	D	wt
.55	1.47	grams
13.97	37.34	16.2

## Electrical Schematic



### Notes

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