

SMA/BNC

Adaptenuator

50Ω 0.5W 10dB DC to 2000 MHz

SM-BF-10+



CASE STYLE: DJ871

Connectors	Model
Conn1 SMA-Male	Conn2 BNC-Female
SM-BF-10+	

+RoHS Compliant

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

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.	

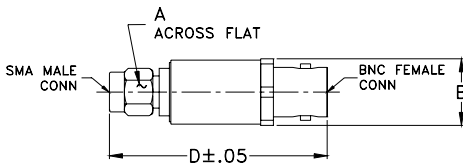
Features

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

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	10 \pm 0.3	0.05	0.15	0.10	0.15	0.10	0.20	1.1	1.2	1.1	1.3	1.2	1.25	0.5

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

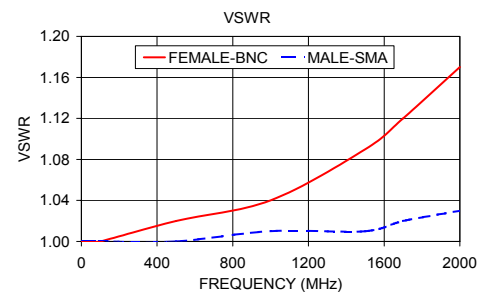
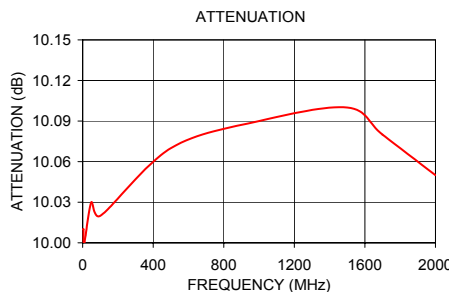
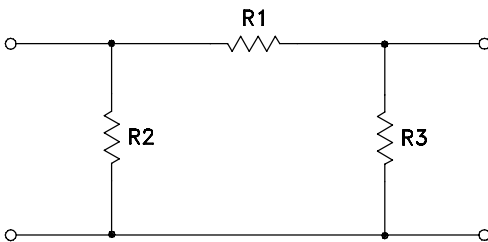
Typical Performance Data

FREQUENCY (MHz)	ATTENUATION (dB)	VSWR (:1)	
		BNC-Female	SMA-Male
1.00	10.01	1.00	1.00
5.00	10.01	1.00	1.00
10.00	10.00	1.00	1.00
50.00	10.03	1.00	1.00
100.00	10.02	1.00	1.00
500.00	10.07	1.02	1.00
1000.00	10.09	1.04	1.01
1500.00	10.10	1.09	1.01
1700.00	10.08	1.12	1.02
2000.00	10.05	1.17	1.03

Outline Dimensions (inch/mm)

A	B	D	wt
.312	.55	1.68	grams
7.92	13.97	42.67	18.8

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-Circuits' applicable established test performance criteria and measurement instructions.
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