

SMA/BNC

Adaptenuator

50Ω 0.5W 6dB DC to 2000 MHz

SM-BF-6



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

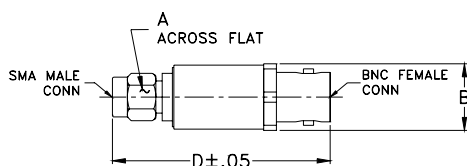
CASE STYLE: DJ871

Connectors	Model	Price	Qty.
Conn1 SMA-Male	Conn2 BNC-Female	SM-BF-6	\$19.95 ea. (1-24)

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	6±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.

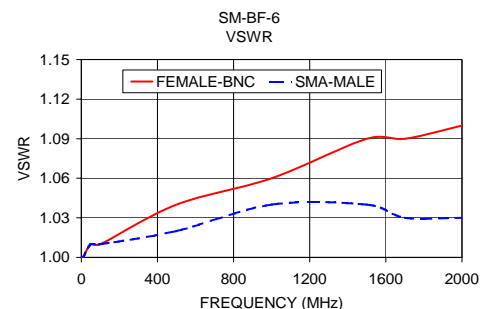
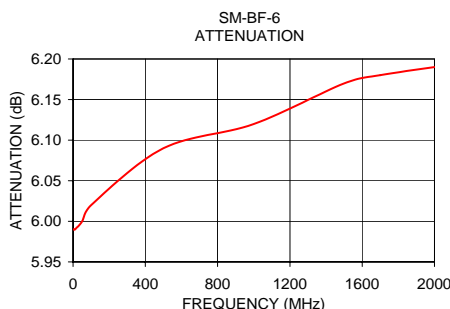
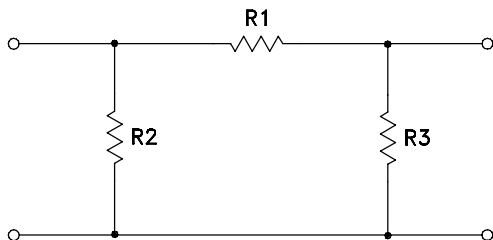
Typical Performance Data

FREQUENCY (MHz)	ATTENUATION (dB)	VSWR (:1)	
		BNC-Female	SMA-Male
1.00	5.99	1.00	1.00
5.00	5.99	1.00	1.00
10.00	5.99	1.00	1.00
50.00	6.00	1.01	1.01
100.00	6.02	1.01	1.01
500.00	6.09	1.04	1.02
1000.00	6.12	1.06	1.04
1500.00	6.17	1.09	1.04
1700.00	6.18	1.09	1.03
2000.00	6.19	1.10	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



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