

Coaxial

# Adapter, SMA-F to BNC-M

## SF-BM50+

50Ω

DC to 2 GHz



CASE STYLE: DJ1023

### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Permanent damage may occur if any of these limits are exceeded.	

### Features

- flat response
- excellent VSWR
- low cost adapters, available from stock
- brass body, nickel plated

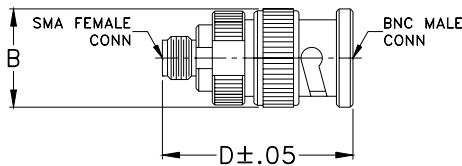
Connectors	Model	Price	Qty.
Conn1 SMA-F	Conn2 BNC-M	SF-BM50+	\$3.95 ea. (1-49)

### Applications

- interconnection of RF cables and equipment
- testing

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

### Outline Drawing



### Outline Dimensions (inch/mm)

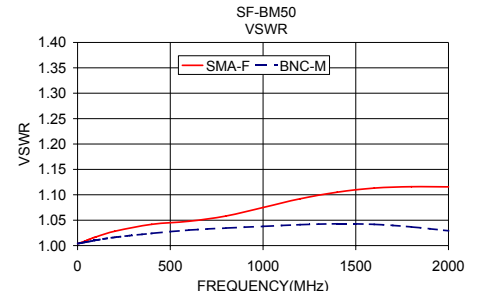
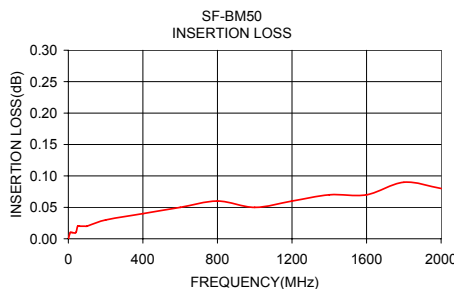
A	B	C	D	E	wt
--	.57	--	1.11	--	grams
--	14.48	--	28.19	--	13.3

### Electrical Specifications T<sub>AMB</sub>=25°C

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.
f <sub>L</sub> -f <sub>U</sub>	Typ.	DC-2 GHz
DC-2	0.05	1.20

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-F	BNC-M
1.00	0.00	1.00	1.00
10.00	0.01	1.00	1.00
20.00	0.01	1.01	1.01
40.00	0.01	1.01	1.01
50.00	0.02	1.01	1.01
60.00	0.02	1.01	1.01
70.00	0.02	1.01	1.01
80.00	0.02	1.01	1.01
90.00	0.02	1.02	1.01
100.00	0.02	1.02	1.01
200.00	0.03	1.03	1.02
400.00	0.04	1.04	1.02
600.00	0.05	1.05	1.03
800.00	0.06	1.06	1.03
1000.00	0.05	1.07	1.04
1200.00	0.06	1.09	1.04
1400.00	0.07	1.11	1.04
1600.00	0.07	1.11	1.04
1800.00	0.09	1.12	1.04
2000.00	0.08	1.12	1.03



For detailed performance specs & shopping online see web site

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**Notes:** 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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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