

Coaxial

# Adapter, SMA-M to BNC-F

## SM-BF50+

50Ω

DC to 2 GHz



CASE STYLE: DJ1024

### 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-M	Conn2 BNC-F	SM-BF50+	\$3.95 ea. (1-49)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

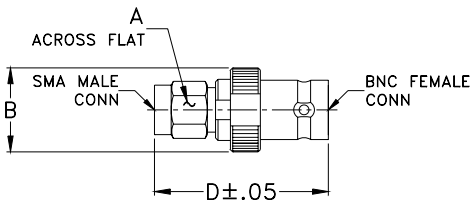
### Applications

- interconnection of RF cables and equipment
- testing

### 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

### Outline Drawing

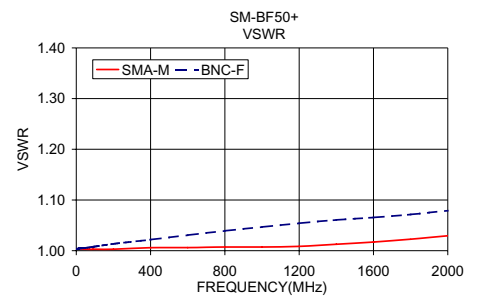
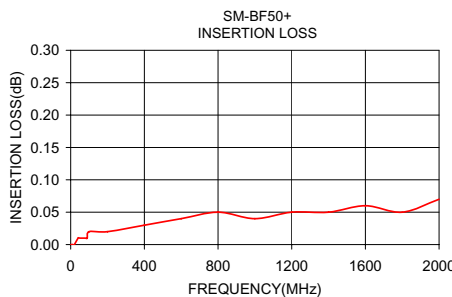


### Outline Dimensions (inch/mm)

A	B	C	D	E	wt
.312	.53	--	1.10	--	grams
7.92	13.46	--	27.94	--	8.6

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-M	BNC-F
1.00	0.00	1.00	1.00
10.00	0.00	1.00	1.00
20.00	0.00	1.00	1.00
40.00	0.01	1.00	1.01
50.00	0.01	1.00	1.01
60.00	0.01	1.00	1.01
70.00	0.01	1.00	1.01
80.00	0.01	1.00	1.01
90.00	0.01	1.00	1.01
100.00	0.02	1.00	1.01
200.00	0.02	1.00	1.01
400.00	0.03	1.01	1.02
600.00	0.04	1.01	1.03
800.00	0.05	1.01	1.04
1000.00	0.04	1.01	1.05
1200.00	0.05	1.01	1.05
1400.00	0.05	1.01	1.06
1600.00	0.06	1.02	1.07
1800.00	0.05	1.02	1.07
2000.00	0.07	1.03	1.08



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

REV. A  
M98898  
SM-BF50+  
ED-11362/4  
RS/TD/CP  
081120