

# Coaxial Adapter, SMA-M to BNC-F

## SM-BF50+

50Ω

DC to 2 GHz

### 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



CASE STYLE: DJ1024

Connectors	Model
Conn1 SMA-M	Conn2 BNC-F
SM-BF50+	

**+RoHS Compliant**

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

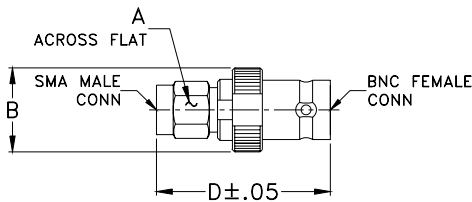
### Applications

- interconnection of RF cables and equipment
- testing

### Electrical Specifications $T_{AMB}=25^{\circ}C$

FREQUENCY (GHz)	INSERTION LOSS (dB)	VSWR (:1) Max.
$f_L-f_U$	Typ.	DC-2 GHz
DC-2	0.05	1.20

### Outline Drawing

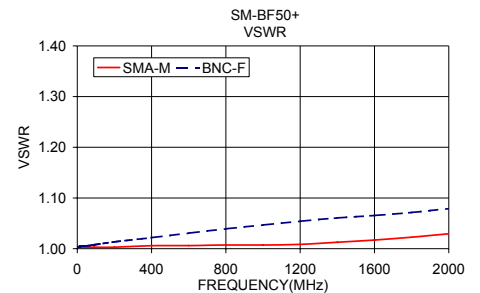
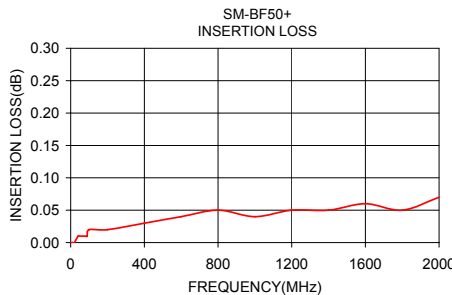


### Outline Dimensions (inch/mm)

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



### 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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