



FEATURES

- Flat response
- Excellent VSWR
- Low cost adapters, available from stock
- Brass body, nickel plated



Generic photo used for illustration purposes only

Model No.	SF-BM50+
Case Style	DJ1025
Connectors	SMA Female to BNC Female

+RoHS Compliant

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

APPLICATIONS

- Interconnection of RF cables and equipment
- Testing

ELECTRICAL SPECIFICATIONS $T_{AMB} = 25^{\circ}\text{C}$

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	2	GHz
Insertion Loss	-	-	0.05	-	dB
VSWR	-	-	-	1.20	:1

ABSOLUTE MAXIMUM RATINGS

Parameter	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.



COAXIAL

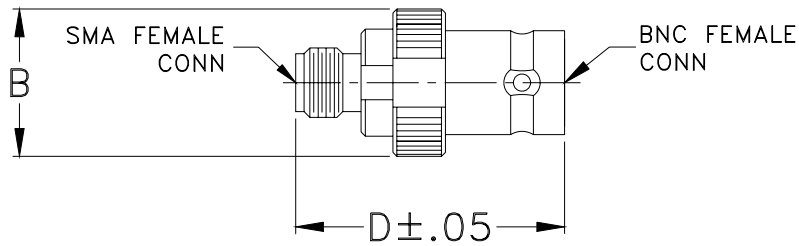
Adapter

SF-BF50+

Mini-Circuits

50Ω DC to 2 GHz SMA Female to BNC Female

OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch mm)

A	B	C	D	E	wt
--	.53	--	.97	--	grams
--	13.46	--	24.64	--	6.9



COAXIAL

Adapter

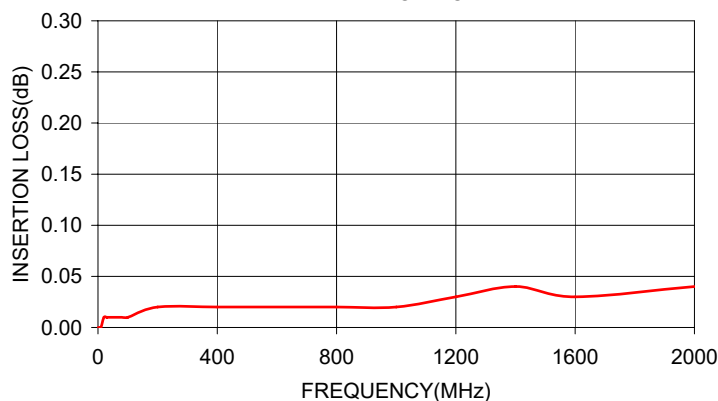
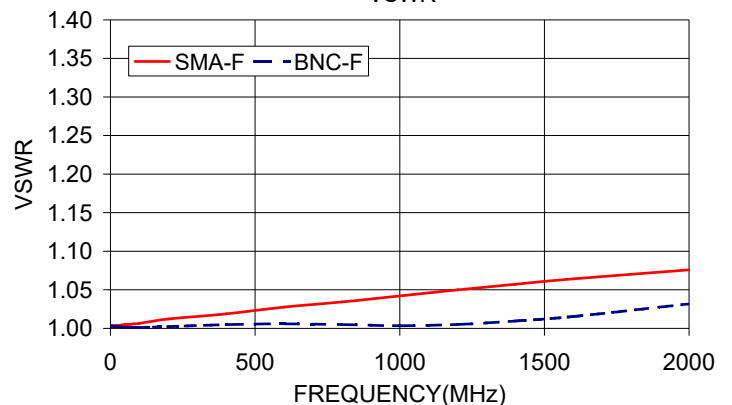
SF-BF50+

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50Ω DC to 2 GHz SMA Female to BNC Female

TYPICAL PERFORMANCE DATA

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	
		SMA-F	BNC-F
1.00	0.00	1.00	1.00
5.00	0.00	1.00	1.00
10.00	0.00	1.00	1.00
20.00	0.01	1.00	1.00
30.00	0.01	1.00	1.00
40.00	0.01	1.00	1.00
50.00	0.01	1.00	1.00
60.00	0.01	1.01	1.00
70.00	0.01	1.01	1.00
80.00	0.01	1.01	1.00
100.00	0.01	1.01	1.00
200.00	0.02	1.01	1.00
400.00	0.02	1.02	1.01
600.00	0.02	1.03	1.01
800.00	0.02	1.03	1.00
1000.00	0.02	1.04	1.00
1200.00	0.03	1.05	1.01
1400.00	0.04	1.06	1.01
1600.00	0.03	1.06	1.02
2000.00	0.04	1.08	1.03

SF-BF50+
INSERTION LOSSSF-BF50+
VSWR

NOTES

- A. 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.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document 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/terms/viewterm.html



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