



# THE DATASHEET OF SM-BF50+





COAXIAL

# Adapter

## SM-BF50+

50Ω DC to 2 GHz SMA-Male to BNC-Female

### FEATURES

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



Generic photo used for illustration purposes only

<b>Model No.</b>	SM-BF50+
<b>Case Style</b>	DJ1024
<b>Connectors</b>	SMA-Male to BNC-Female

### +RoHS Compliant

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

### APPLICATIONS

- Interconnection of RF cable and equipment
- Testing

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

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

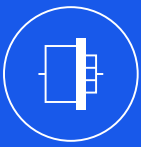
### ABSOLUTE MAXIMUM RATINGS

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.

REV. D  
ECO-016727  
SM-BF50+  
MCL NY  
230126





COAXIAL

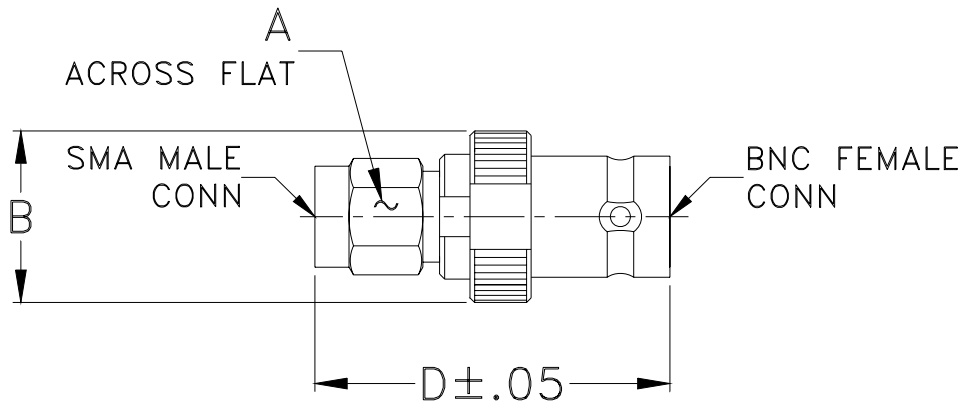
# Adapter

## SM-BF50+

Mini-Circuits

50Ω DC to 2 GHz SMA-Male to BNC-Female

### 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



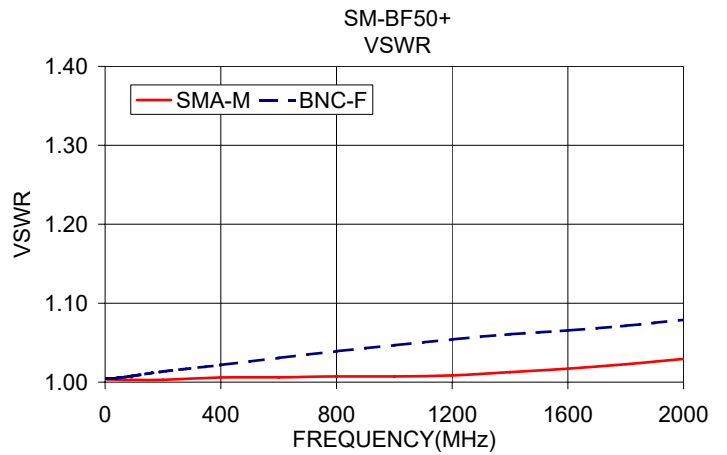
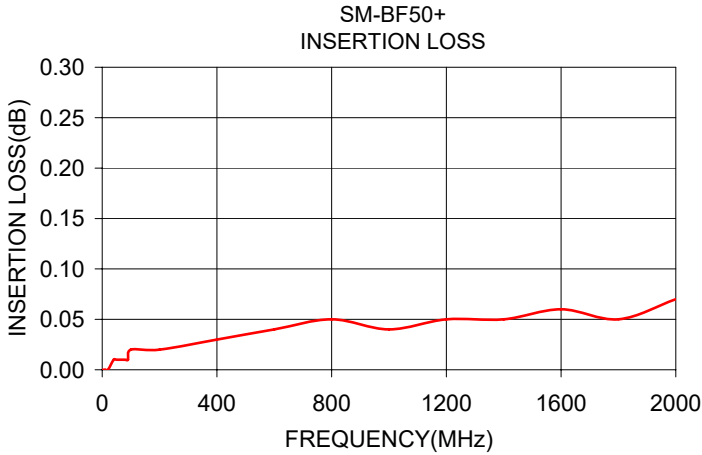
COAXIAL

# Adapter

## SM-BF50+

50Ω DC to 2 GHz SMA-Male to BNC-Female

### TYPICAL PERFORMANCE DATA



- 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](http://www.minicircuits.com/terms/viewterm.html)



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View SM-BF50+](#) on WIN SOURCE

 [Mini-Circuits](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management