

Coaxial

# DC Block BNC

## BLK-222+

50Ω 10 MHz to 2.2 GHz



CASE STYLE: FF747

BNC Connectors	Model	Price	Qty.
Female-Male	BLK-222+	\$24.95 ea.	(1-9)

**+RoHS Compliant**

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

### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
DC Input Voltage	100V Max.

Permanent damage may occur if any of these limits are exceeded.

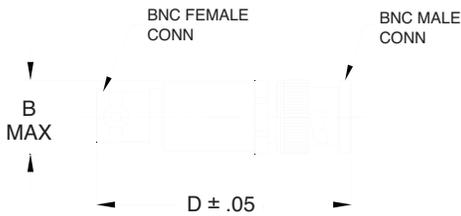
### Features

- low insertion loss
- rugged unibody construction
- off-the-shelf availability

### Applications

- CATV
- test and measurement instrumentation
- communication systems
- defense systems

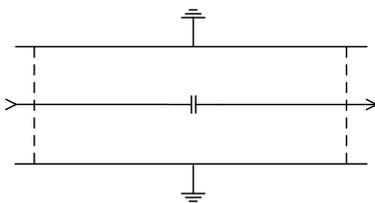
### Outline Drawing



### Outline Dimensions (inch/mm)

B	D	wt.
.62	1.94	grams
15.75	49.28	30.0

### Electrical Schematic

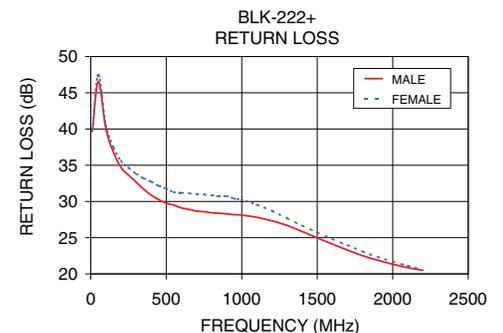
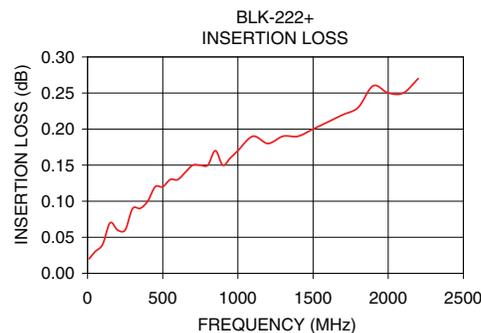


### Electrical Specifications at 25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)		RETURN LOSS (dB)	
	Typ.	Max.	Typ.	Min.
10 - 100	0.04	0.15	40	30
100 - 500	0.10	0.35	33	24
500 - 1000	0.16	0.45	33	22
1000 - 2200	0.22	0.70	27	14

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	
		Male	Female
10	0.02	39.66	39.85
50	0.03	46.56	47.48
100	0.04	40.04	40.53
250	0.06	33.62	34.65
400	0.10	30.87	32.73
500	0.12	29.76	31.77
600	0.13	29.11	31.19
750	0.15	28.58	30.94
900	0.15	28.29	30.72
1000	0.17	28.12	30.21
1200	0.18	27.32	28.71
1400	0.19	25.85	26.69
1500	0.20	24.97	25.75
1600	0.21	24.12	24.84
1800	0.23	22.51	23.09
1900	0.26	21.89	22.36
2200	0.27	20.50	20.60



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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-Circuits' 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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