

# DC Block BNC

## BLK-222+

50Ω 10 MHz to 2.2 GHz

### 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



CASE STYLE: FF747

BNC Connectors	Model
Female-Male	BLK-222+

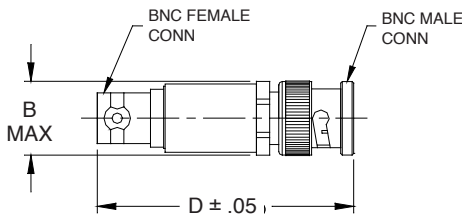
### +RoHS Compliant

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

### Applications

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

### Outline Drawing



### 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

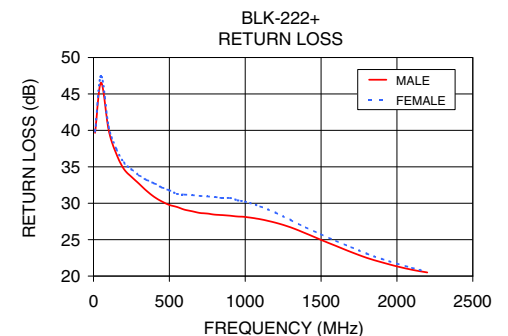
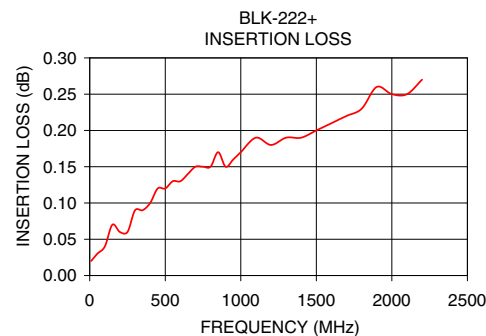
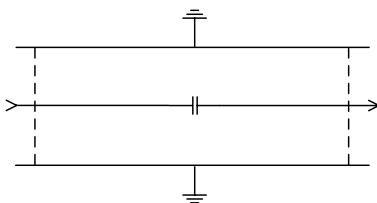
### Outline Dimensions (inch/mm)

B	D	wt.
.62	1.94	grams
15.75	49.28	30.0

### 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

### Electrical Schematic



### 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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