



COAXIAL

# Termination

## BTRM-75+

75Ω DC to 1000 MHz BNC-Male

### FEATURES

- Return Loss, 30 dB typ. up to 500 MHz
- Rugged Construction



Generic photo used for illustration purposes only

Model No.	BTRM-75+
Case Style	LL85
Connectors	SMA-Male

### +RoHS Compliant

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

### APPLICATIONS

- Test Setup
- Cellular Communications

### ELECTRICAL SPECIFICATIONS

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC	—	1000	MHz
Impedance		75			Ohms
Return Loss	DC - 500	30	—	—	dB
	DC - 1000	20	—	—	
Input Power <sup>1</sup>		—	—	0.5	W

1. At 70°C, derate linearly at 5mW/°C to 350mW at 100°C.

### ABSOLUTE MAXIMUM RATINGS<sup>1</sup>

Parameter	Ratings
Operating Temperature	-55 °C to +100 °C
Storage Temperature	-55 °C to +100 °C

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

REV. E  
ECO-016435  
BTRM-75+  
MCL NY  
230111





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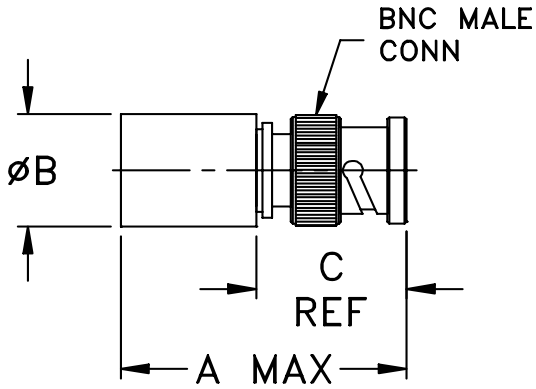
# Termination

**BTRM-75+**

Mini-Circuits

75Ω DC to 1000 MHz BNC-Male

## OUTLINE DRAWING



## OUTLINE DIMENSIONS (Inch/mm)

A	B	D	wt
1.46	.58	.75	grams
37.08	14.73	19.05	21.5



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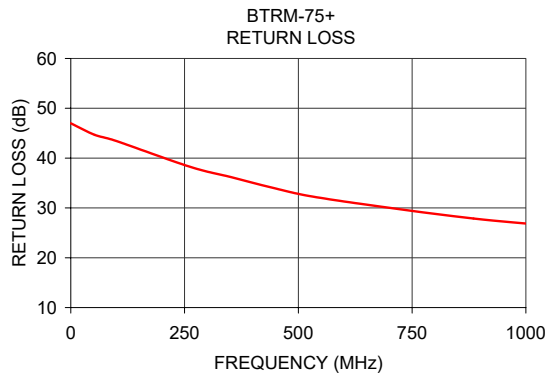
**BTRM-75+**

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### TYPICAL PERFORMANCE DATA

Frequency (MHz)	Return Loss (dB)
0.30	46.98
52.79	44.65
97.90	43.49
262.00	38.27
352.00	36.19
442.00	34.09
532.00	32.28
705.00	29.96
885.00	27.87
1057.00	26.40



#### NOTES

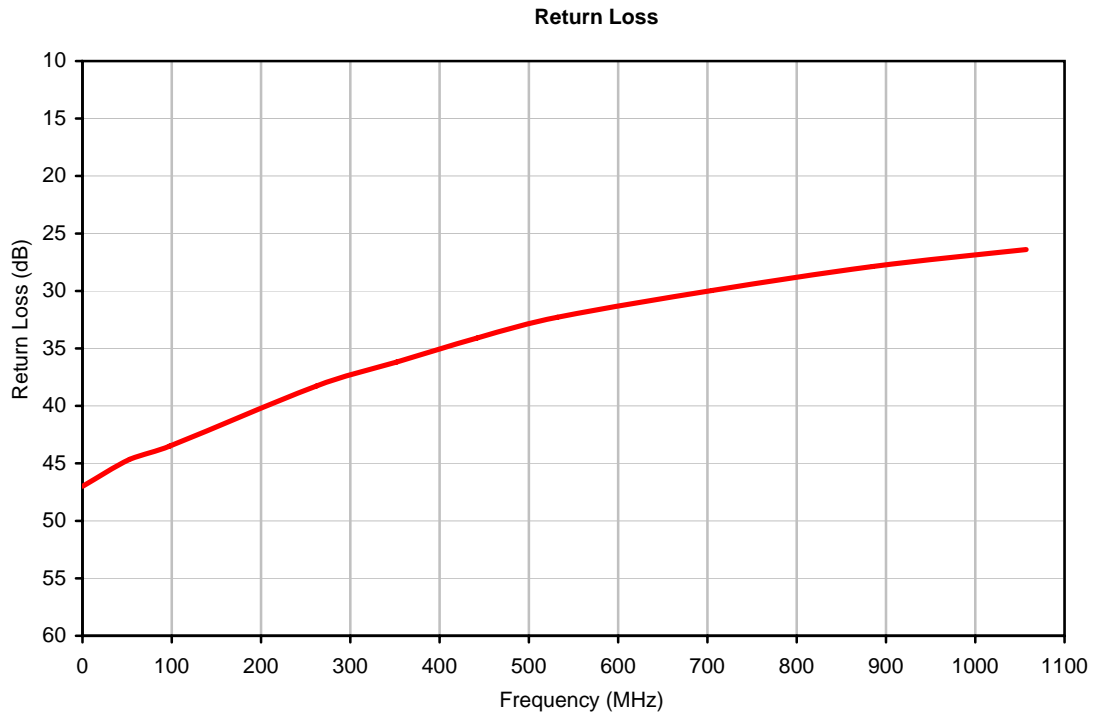
- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's 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)



## Typical Performance Data

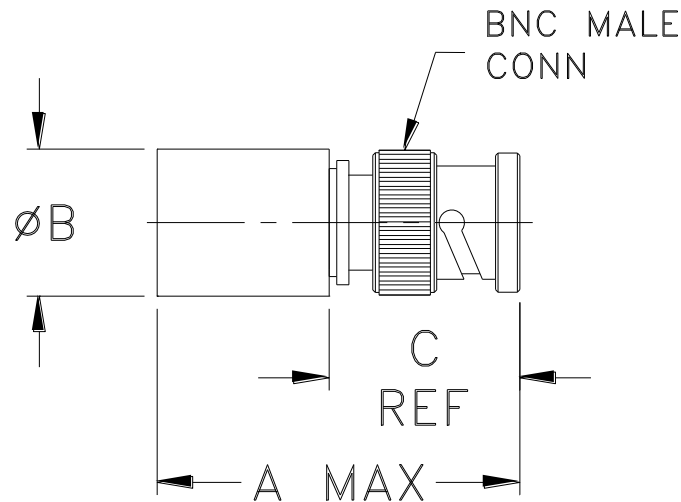
FREQUENCY (MHz)	RETURN LOSS (dB)
0	46.98
53	44.65
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262	38.27
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705	29.96
885	27.87
1057	26.40

## Typical Performance Curves



## Outline Dimensions

LL85



CASE #.	A	B	C	WT GRAMS
LL85	1.46 (37.08)	.58 (14.73)	.75 (19.05)	21.5

Dimensions are in inches (mm). Tolerances: 2Pl.  $\pm .03$ ; 3Pl.  $\pm .015$

### Notes:

1. Case material: Brass.
2. BTRM-50+ and BTRM-75+ are catalog models. The material of unit is Brass.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

RF/IF MICROWAVE COMPONENTS



All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

<b>Specification</b>	<b>Test/Inspection Condition</b>	<b>Reference/Spec</b>
Operating Temperature	-55° to 100°C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-55° to 100° C Ambient Environment	Individual Model Data Sheet
Barometric Pressure	100,000 Feet	MIL-STD-202, Method 105, Condition D
Humidity	90% RH, 65°C Units may require bake-out after humidity to restore full performance.	MIL-STD-202, Method 103
Thermal Shock	-65° to 125°C, 5 cycles	MIL-STD-202, Method 107, Condition B
Vibration (High Frequency)	20g peak, 10-2000 Hz, 12 times in each of three perpendicular directions (total 36)	MIL-STD-202, Method 204, Condition D
Mechanical Shock	100g, 6ms sawtooth, 3 shocks each direction 3 axes (total 18)	MIL-STD-202, Method 213, Condition I