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

APPLICATIONS

- Test Setup
- Cellular Communications

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

ELECTRICAL SPECIFICATIONS

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

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

ABSOLUTE MAXIMUM RATINGS[1]

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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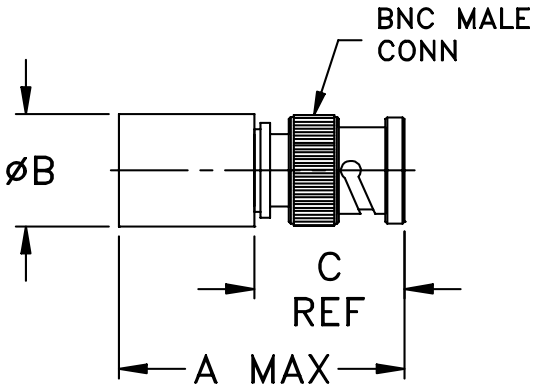
OUTLINE DRAWING



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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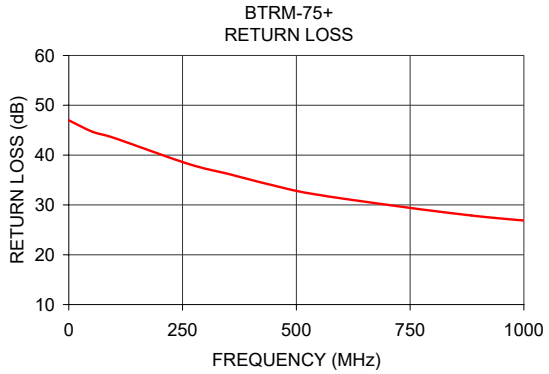
TYPICAL PERFORMANCE DATA

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

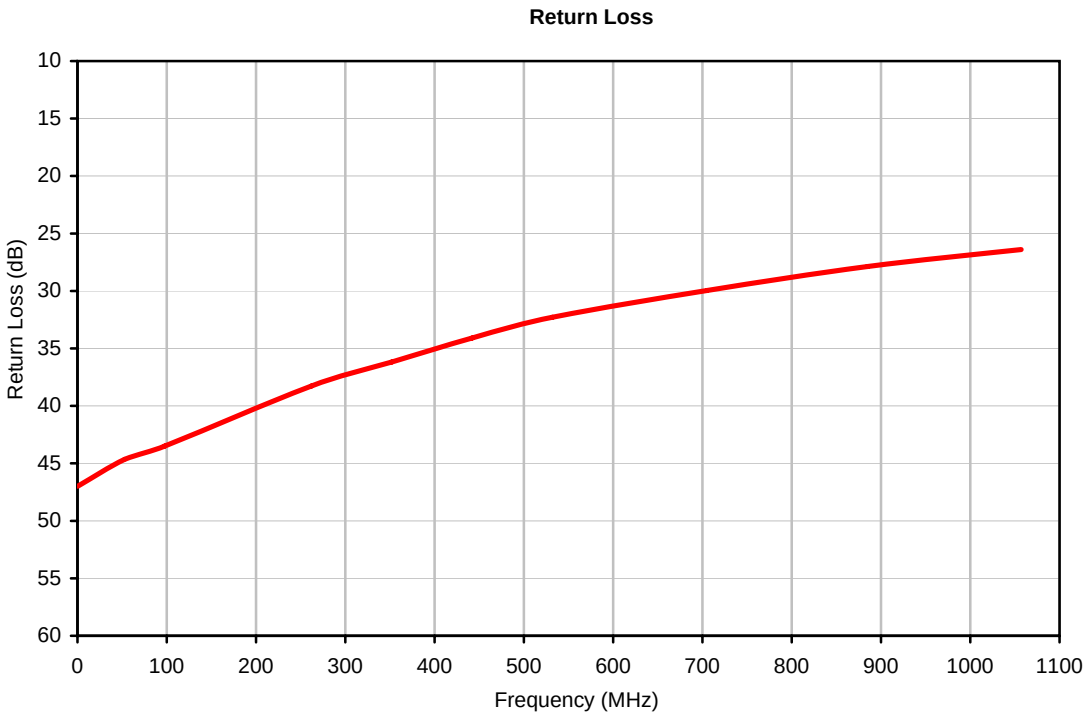
Termination 75 Ω , BNC

BTRM-75+

Typical Performance Data

FREQUENCY (MHz)	RETURN LOSS (dB)
0	46.98
53	44.65
98	43.49
262	38.27
352	36.19
442	34.09
532	32.28
705	29.96
885	27.87
1057	26.40

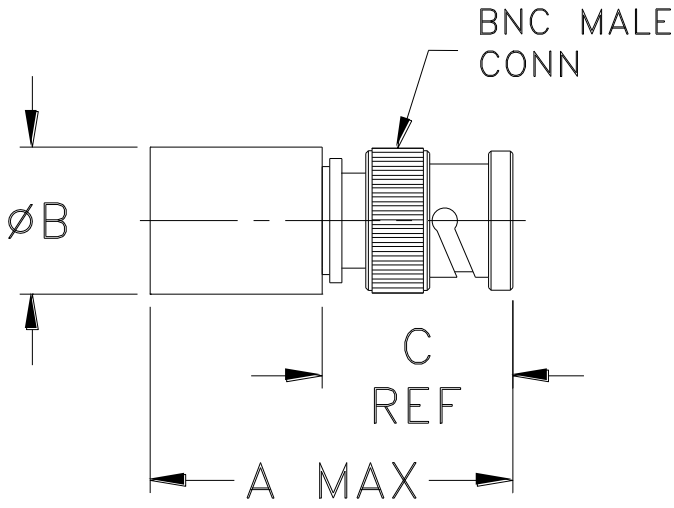
Typical Performance Curves



Case Style LL

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. ± .03; 3Pl. ± .015

Notes:

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

Mini-Circuits

Environmental Specifications ENV28

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.

Specification	Test/Inspection Condition	Reference/Spec
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