

# Termination BNC

50Ω

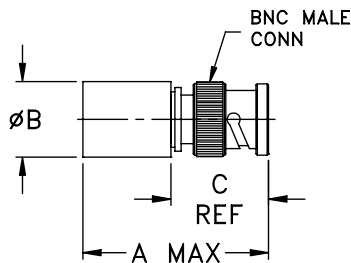
DC to 2000 MHz

BTRM-50+

## Maximum 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. |                |

## Outline Drawing



## Outline Dimensions (inch/mm)

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

## Features

- wideband, DC to 2000 MHz
- return loss, 30 dB typ. up to 1000 MHz
- rugged construction

## Applications

- cellular communications
- satellite communications
- test set-up



CASE STYLE: LL85

| Connectors | Model    | Price      | Qty.  |
|------------|----------|------------|-------|
| BNC-Male   | BTRM-50+ | \$8.25 ea. | (1-9) |

**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

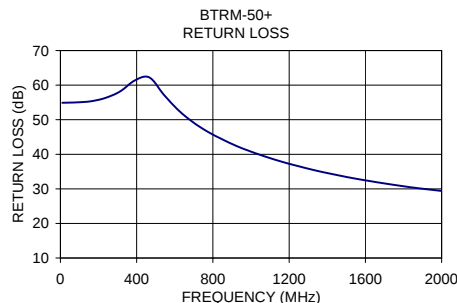
## Electrical Specifications

| FREQUENCY (MHz) | IMPEDANCE (OHMS) | RETURN LOSS (dB) MIN. |          |          | POWER RATING* (W) |
|-----------------|------------------|-----------------------|----------|----------|-------------------|
|                 |                  | DC-.5 GHz             | DC-1 GHz | DC-2 GHz |                   |
| DC-2000         | 50               | 35                    | 30       | 21       | 0.5               |

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

## Typical Performance Data

| Frequency (MHz) | Return Loss (dB) |
|-----------------|------------------|
| 10.00           | 54.89            |
| 86.15           | 55.01            |
| 162.31          | 55.35            |
| 238.46          | 56.34            |
| 314.62          | 58.22            |
| 390.77          | 61.38            |
| 466.92          | 62.22            |
| 543.08          | 57.18            |
| 619.23          | 52.72            |
| 695.38          | 49.30            |
| 771.54          | 46.56            |
| 847.69          | 44.35            |
| 923.85          | 42.41            |
| 1000.00         | 40.77            |
| 1166.67         | 37.77            |
| 1333.33         | 35.39            |
| 1500.00         | 33.45            |
| 1666.67         | 31.85            |
| 1833.33         | 30.50            |
| 2000.00         | 29.40            |



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs  
& shopping online see web site

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IF/RF MICROWAVE COMPONENTS

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-Circuit's 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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