

# Coaxial Matching Pad

50/75Ω

DC to 2000 MHz

## BMP-5075R+



### Maximum Ratings

|                       |                |
|-----------------------|----------------|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature   | -55°C to 100°C |
| RF Input Power        | 0.25W          |

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

### Features

- excellent VSWR 1.15: typ.
- excellent flatness
- wideband coverage, DC to 2000 MHz

### Applications

- impedance matching

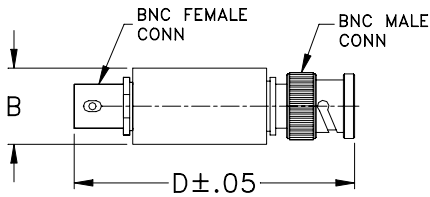
CASE STYLE: FF55

| Connectors | Model      | Price       | Qty.  |
|------------|------------|-------------|-------|
| 75Ω-F-BNC  | BMP-5075R+ | \$24.95 ea. | (1-9) |
| 50Ω-M-BNC  |            |             |       |

**+ 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.

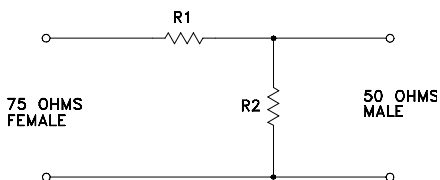
### Outline Drawing



### Outline Dimensions (inch/mm)

| B     | D     | wt    |
|-------|-------|-------|
| .54   | 2.59  | grams |
| 13.72 | 65.79 | 40.0  |

### Electrical Schematic

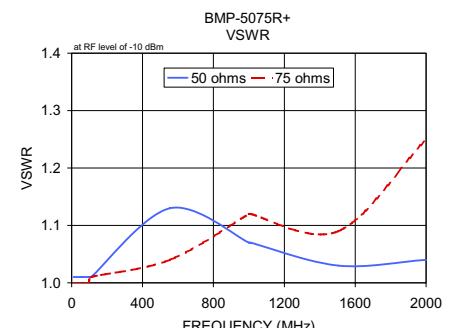
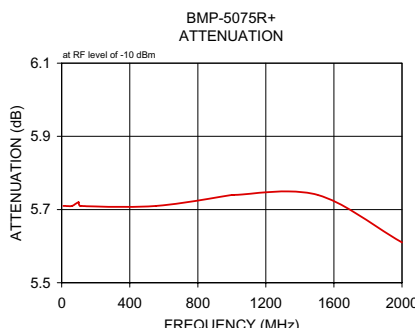


### Electrical Specifications

| FREQ. (MHz) | Flatness Max. | ATTENUATION (dB) |              |               | VSWR (:1) Max. |              |               | POWER (W) |
|-------------|---------------|------------------|--------------|---------------|----------------|--------------|---------------|-----------|
|             |               | DC-100 MHz       | 100-1000 MHz | 1000-2000 MHz | DC-100 MHz     | 100-1000 MHz | 1000-2000 MHz |           |
| $f_L - f_U$ | Nom.          |                  |              |               |                |              |               |           |
| DC-2000     | 5.7±0.1       | 0.2              | 0.3          | 0.4           | 1.06           | 1.22         | 1.4           | 0.25      |

### Typical Performance Data

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |      |
|-----------------|------------------|-----------|------|
|                 |                  | 50 Ω      | 75 Ω |
| 10.00           | 5.71             | 1.01      | 1.00 |
| 20.00           | 5.71             | 1.01      | 1.00 |
| 60.00           | 5.71             | 1.01      | 1.00 |
| 100.00          | 5.72             | 1.01      | 1.00 |
| 110.00          | 5.71             | 1.01      | 1.01 |
| 555.00          | 5.71             | 1.13      | 1.04 |
| 1000.00         | 5.74             | 1.07      | 1.12 |
| 1010.00         | 5.74             | 1.07      | 1.12 |
| 1505.00         | 5.74             | 1.03      | 1.09 |
| 2000.00         | 5.61             | 1.04      | 1.25 |



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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-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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