



50 Ohm N Male To 75 Ohm F Female Matching Pad  
Operating From 0.009 MHz to 3 GHz RoHS Compliant

## Matching Pads Technical Data Sheet

**PE70MP1002**

### Configuration

Design  
Connector 1  
Connector 2

Fixed  
N Male  
F Female

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 9 KHz   |         | 3 GHz   |       |

### Specifications by Frequency

| Description         | F1        | F2     | F3 | F4 | F5 | Units |
|---------------------|-----------|--------|----|----|----|-------|
| Range               | 9KHz to 2 | 2 to 3 |    |    |    | GHz   |
| Insertion Loss, Max | 6         | 6.3    |    |    |    | dB    |
| Insertion Loss, Typ | 5.5       | 5.5    |    |    |    | dB    |
| Return Loss, Min    | 25        | 23     |    |    |    | dB    |
| Return Loss, Typ    | 30        | 27     |    |    |    | dB    |
| Flatness            | 0.5       | 0.8    |    |    |    | dB    |
| VSWR                | 1.07:1    | 1.1:1  |    |    |    |       |

### Mechanical Specifications

#### Size

Length 2.86 in [72.64 mm]  
Width/Dia. 0.81 in [20.57 mm]  
Height 0.81 in [20.57 mm]

Body Material and Plating

Copper

#### Connectors

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type        | N Male      | F Female    |
| Impedance   | 50 Ohms     | 75 Ohms     |

### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm N Male To 75 Ohm F Female Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant PE70MP1002](#)



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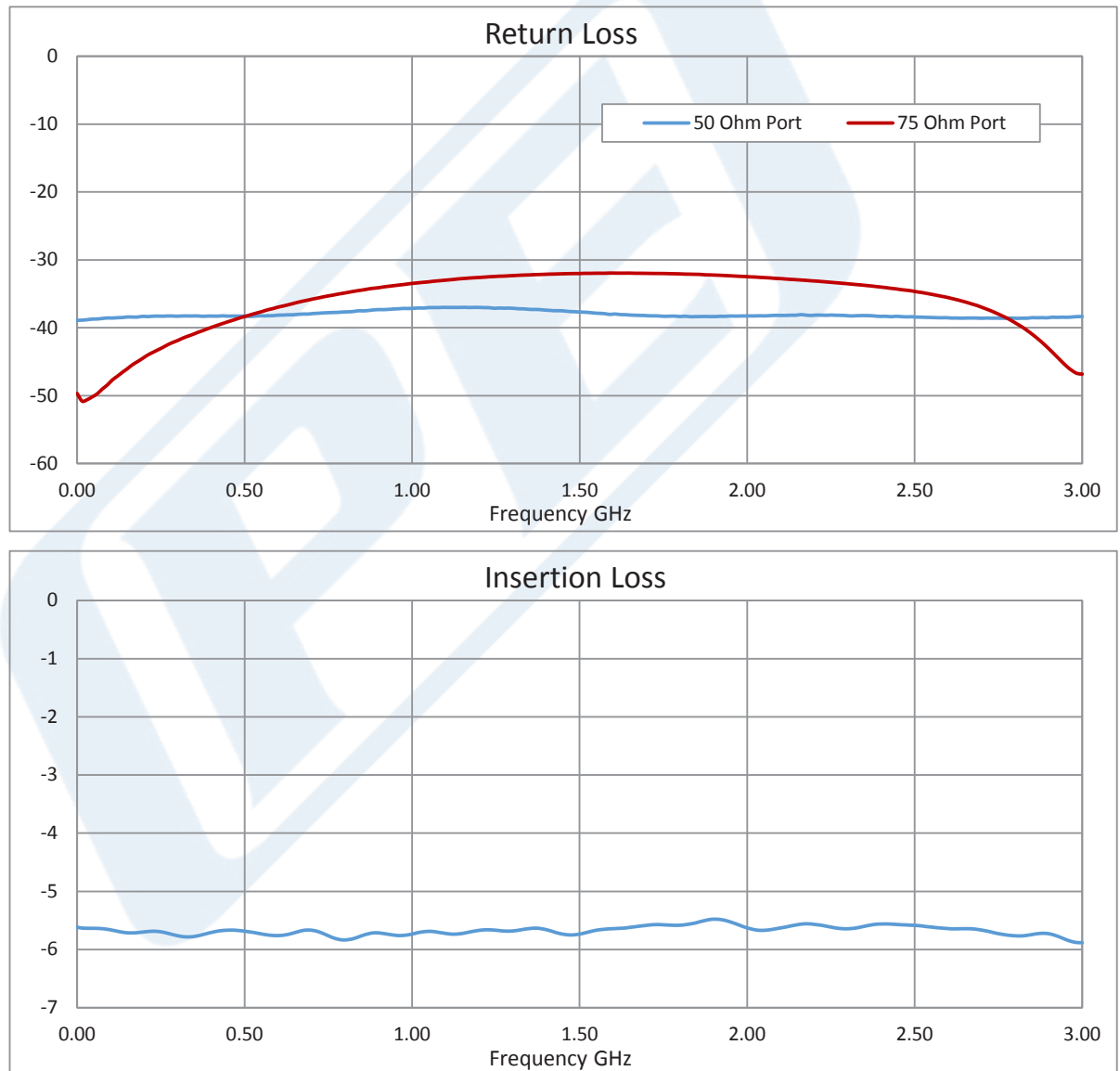
**PE70MP1002**

### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

### Typical Performance Data



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50 Ohm N Male To 75 Ohm F Female Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

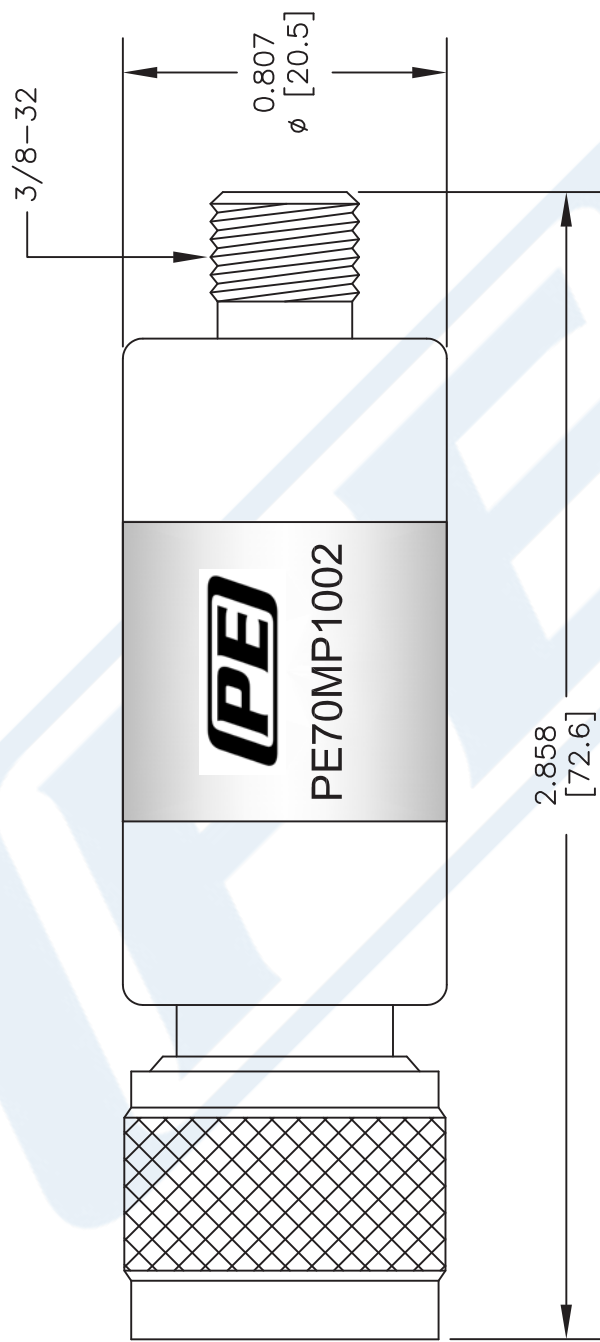
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm N Male To 75 Ohm F Female Matching Pad Operating From 0.009 MHz to 3 GHz RoHS Compliant PE70MP1002](http://www.pasternack.com/50-ohm-n-male-75-ohm-f-female-matching-pad-3-ghz-pe70mp1002-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE70MP1002 CAD Drawing

50 Ohm N Male To 75 Ohm F Female Matching Pad Operating  
From 0.009 MHz to 3 GHz RoHS Compliant



NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PE70MP1002**

FSCM NO. 53919

CAD FILE 052815

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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