

50 Ohm N Female to 75 Ohm N Female Matching Pad Operating from DC to 3 GHz



Matching Pads Technical Data Sheet

PE70MP1105

Features

- DC to 3 GHz Frequency Range
- Low VSWR < 1.25:1
- 0.5 W Max Power (CW)

Applications

- CATV / Cable Networks
- Test and Measurement
- Communication Systems
- Wireless Systems

Description

Pasternack's PE70MP1105 is a 50 ohm N female to 75 ohm N female matching pad that operates from DC to 3 GHz. This N to N impedance matching pad offers a low VSWR of 1.25:1 max and attenuation of 7.5 dB max. PE70MP1105 50 ohm to 75 ohm minimum loss pad has a maximum CW power rating of 0.5 Watt. Matching pads are used to match the different impedances between two devices, maximizing power transfer between the two impedances. Pasternack's minimum loss impedance matching pads are available in various connector combinations to fit your needs, all of which ship the same day.

Configuration

Connector 1
Connector 2

50 Ohms N Female
75 Ohms N Female

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 3 | GHz |
| VSWR | | 1.15:1 | 1.25:1 | |
| Attenuation | | 4 | 7.5 | dB |
| Input Power (CW) | | | 0.5 | Watts |

Electrical Specification Notes:

Impedance Matching Pads are resistive devices and are not designed as DC Pass or DC Block circuits

Mechanical Specifications

| | |
|------------------------------|--------------------|
| Size | |
| Length | 2.48 in [62.99 mm] |
| Width | 0.82 in [20.83 mm] |
| Height | 0.82 in [20.83 mm] |
| Weight | 0.04 lbs [18.14 g] |
| Housing Material and Plating | Brass, Tri-Metal |

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 Female to 75 Ohm N Female Matching Pad Operating from DC to 3 GHz PE70MP1105](#)

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Connectors

| Description | Connector 1 | Connector 2 |
|--------------------------------------|------------------------|------------------------|
| Type | N Female | N Female |
| Impedance | 50 Ohms | 75 Ohms |
| Inner Conductor Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Body Material and Plating | Brass, Tri-Metal | Brass, Tri-Metal |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

50 Ohm N Female to 75 Ohm N Female Matching Pad Operating from DC to 3 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/n-n-matching-pad-3-mhz-pe70mp1105-p.aspx>

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.

PE70MP1105 CAD Drawing

50 Ohm N Female to 75 Ohm N Female Matching Pad Operating from DC to 3 GHz

