



50 Ohm N Female to 75 Ohm N Male Matching Pad
Operating from DC to 500 MHz RoHS Compliant

Matching Pads Technical Data Sheet

PE7028

Features

- DC to 500 MHz Frequency Range
- VSWR < 1.35:1
- 1W Max CW Power

Applications

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

Description

Pasternack's PE7028 is a 50 ohm type N female to 75 ohm type N male matching pad that operates from DC to 500 MHz. This type N to type N impedance matching pad offers a VSWR of 1.35:1 max and an attenuation accuracy of ±0.5 dB. PE7028 50 ohm to 75 ohm minimum loss pad has a maximum CW power rating of 1 Watt.

Matching pads are used to match the different impedance 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 50 Ohms N Female
- Connector 2 75 Ohms N Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
VSWR			1.35:1	
Attenuation		5.7 ±0.5		dB
Input Power (CW)			1	Watt

Electrical Specification Notes:

Impedance Matching Pads are resistive devices and are not designed as DC Pass or DC Block circuits
Values at +25°C, sea level

Mechanical Specifications

- Size**
- Length 1.85 in [46.99 mm]
- Width 0.8 in [20.32 mm]
- Weight 0.127 lbs [57.61 g]

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 Male Matching Pad Operating from DC to 500 MHz RoHS Compliant PE7028](#)



50 Ohm N Female to 75 Ohm N Male Matching Pad
Operating from DC to 500 MHz RoHS Compliant

Matching Pads Technical Data Sheet

PE7028

Connectors

Description	Connector 1	Connector 2
Type	N Female	N Male
Impedance	50 Ohms	75 Ohms
Inner Conductor Material and Plating	Beryllium Copper, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range -30 to +70 deg C

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

Plotted and Other Data

Notes:

50 Ohm N Female to 75 Ohm N Male Matching Pad Operating from DC to 500 MHz RoHS Compliant 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.

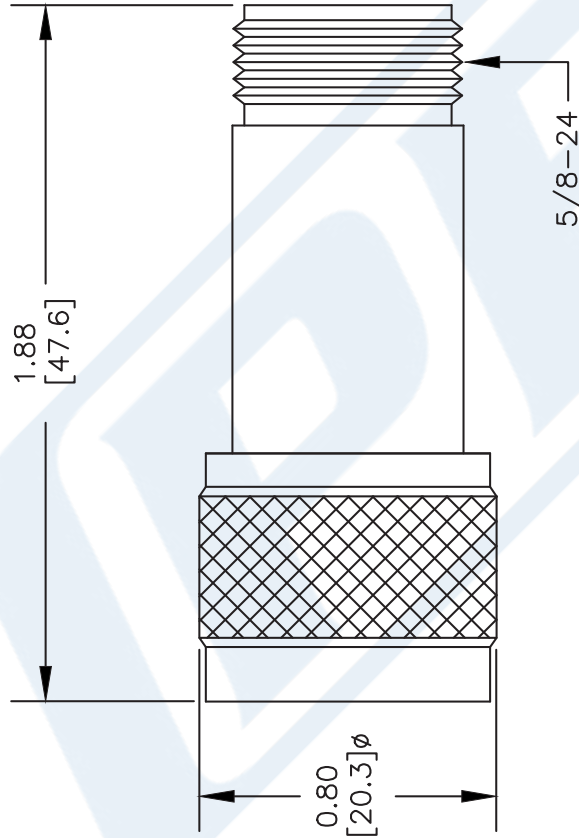
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm N Female to 75 Ohm N Male Matching Pad Operating from DC to 500 MHz RoHS Compliant PE7028](#)

URL: <https://www.pasternack.com/50-ohm-n-female-75-ohm-n-male-matching-pad-pe7028-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.

PE7028 CAD Drawing

50 Ohm N Female to 75 Ohm N Male Matching Pad
Operating from DC to 500 MHz 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

PE7028

FSCM NO. 53919

CAD FILE 011712

SCALE N/A

SIZE A

XXXX



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com