



75 Ohm BNC Male to 50 Ohm BNC Female Matching
Pad Operating from DC to 2 GHz RoHS Compliant

Matching Pads Technical Data Sheet

PE7007

Features

- DC to 2 GHz Frequency Range
- Low VSWR < 1.2:1
- 1W Max CW Power

Applications

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

Description

Pasternack's PE7007 is a 75 ohm BNC male to 50 ohm BNC female matching pad that operates from DC to 2 GHz. This BNC to BNC impedance matching pad offers a low VSWR of 1.2:1 max. PE7007 75 ohm to 50 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
Connector 2

75 Ohms BNC Male
50 Ohms BNC Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
VSWR			1.2:1	
Attenuation			6	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

1.8 in [45.72 mm]

Width

0.59 in [14.99 mm]

Weight

0.0549 lbs [24.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 50 Ohm BNC Female Matching Pad Operating from DC to 2 GHz RoHS Compliant PE7007](#)



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Connectors

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

Environmental Specifications

Temperature

Operating Range

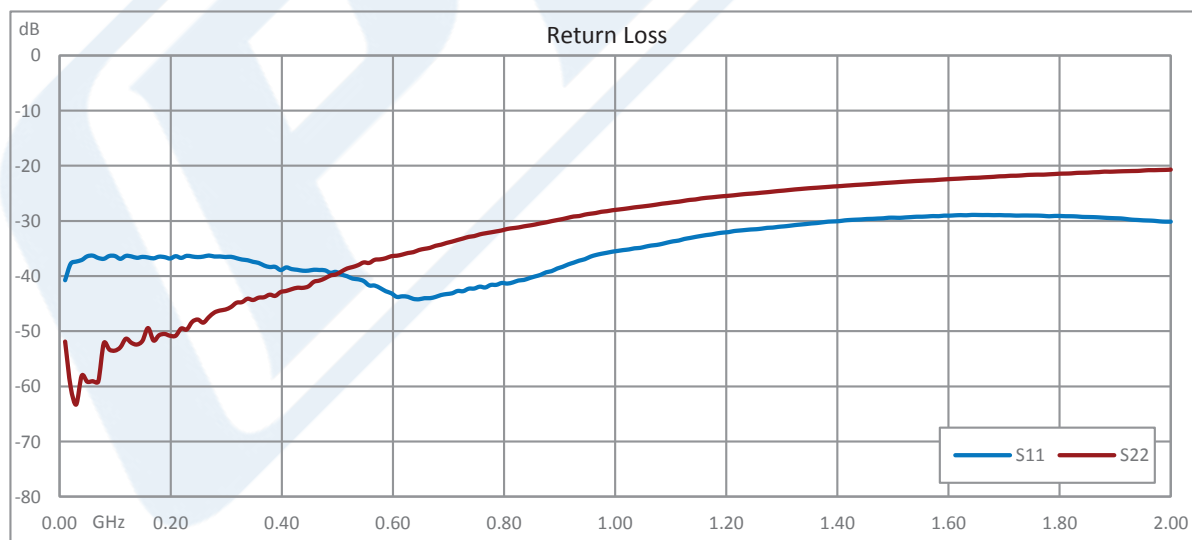
-30 to +70 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



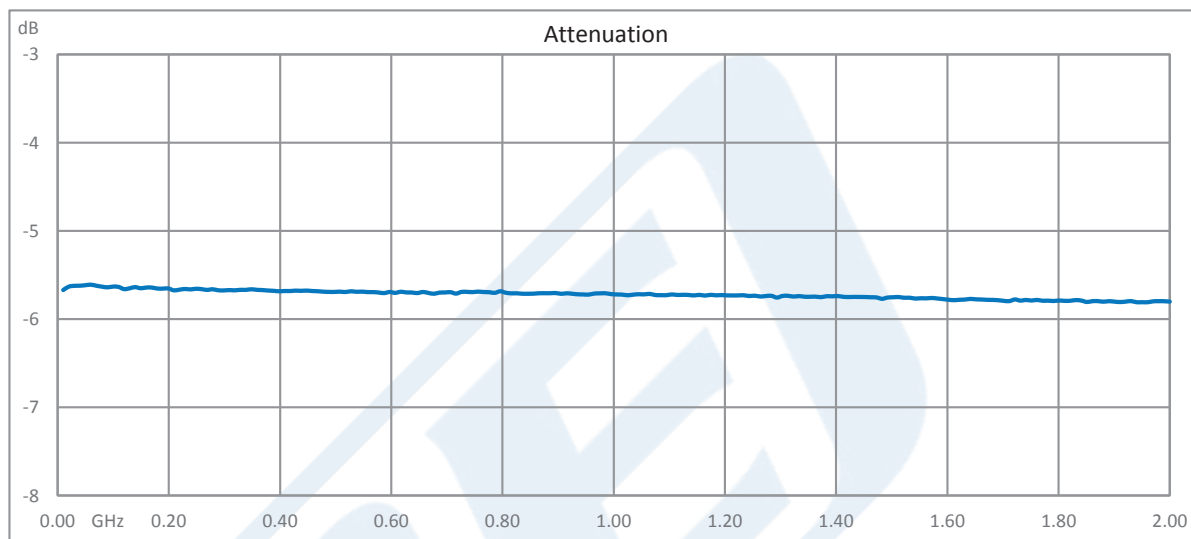
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75 Ohm BNC Male to 50 Ohm BNC Female Matching Pad Operating from DC to 2 GHz RoHS Compliant from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

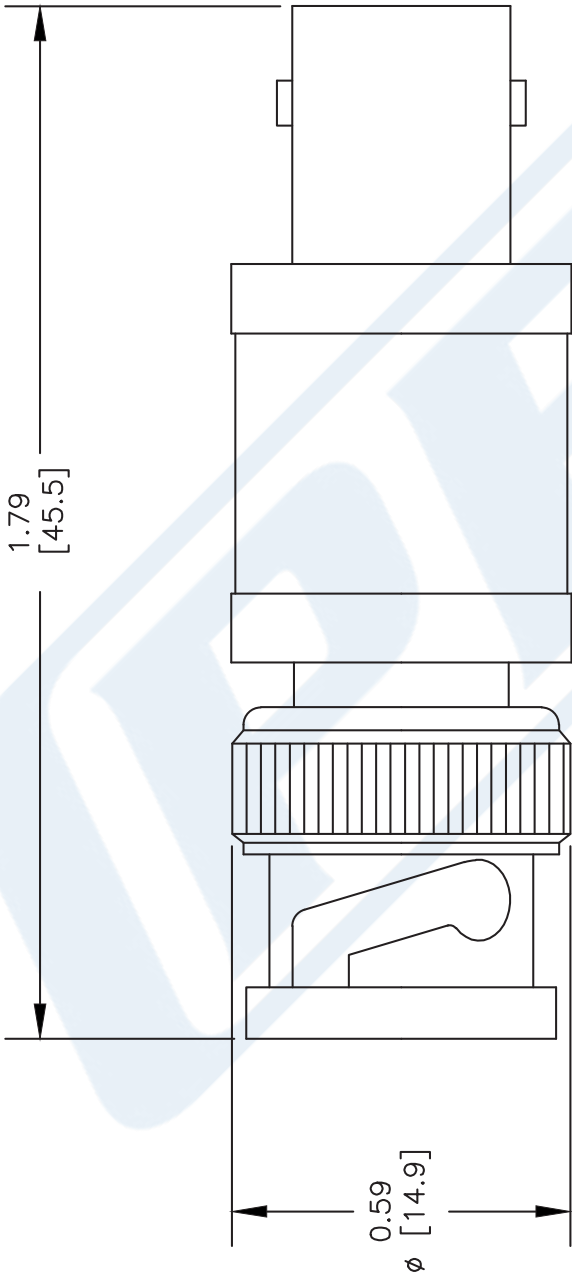
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 50 Ohm BNC Female Matching Pad Operating from DC to 2 GHz RoHS Compliant PE7007](https://www.pasternack.com/75-ohm-bnc-male-50-ohm-bnc-female-matching-pad-2-ghz-pe7007-p.aspx)

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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.

PE7007 CAD Drawing

75 Ohm BNC Male to 50 Ohm BNC Female Matching Pad
Operating from DC to 2 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
PE7007

REV. B
FSCM NO. 53919

127

SIZE A

SCALE N/A

CAD FILE 012511-B

PE PASTERNAK®
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