



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

## Matching Pads Technical Data Sheet

**PE70MP1100**

### Features

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

### Applications

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

### Description

Pasternack's PE70MP1100 is a 50 ohm BNC male to 75 ohm BNC female matching pad that operates from DC to 3 GHz. This BNC to BNC impedance matching pad offers a low VSWR of 1.25:1 max and attenuation of 7.5 dB max. PE70MP1100 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 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 BNC Male  
Connector 2 75 Ohms BNC 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 2.09 in [53.09 mm]  
Width 0.57 in [14.48 mm]  
Height 0.57 in [14.48 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 BNC Male to 75 Ohm BNC Female Matching Pad Operating from DC to 3 GHz PE70MP1100](#)



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### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female
Impedance	50 Ohms	75 Ohms
Inner Conductor Material and Plating	Brass, Gold	Phosphor Bronze, 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 BNC Male to 75 Ohm BNC 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm BNC Male to 75 Ohm BNC Female Matching Pad Operating from DC to 3 GHz PE70MP1100](#)

URL: <https://www.pasternack.com/bnc-bnc-matching-pad-3-mhz-pe70mp1100-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.

# PE70MP1100 CAD Drawing

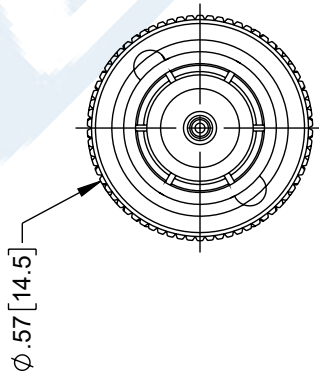
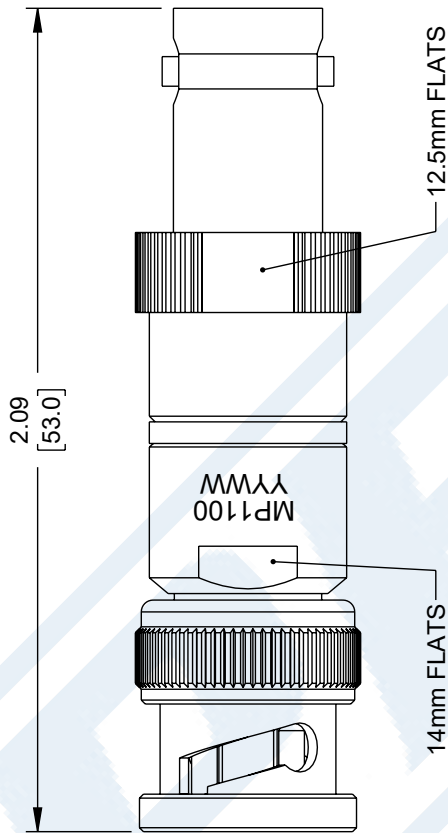
50 Ohm BNC Male to 75 Ohm BNC Female Matching Pad Operating from DC to 3 GHz

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F E D C B A

1 2 3 4 5 6

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	3/30/2023
		CHANGED BY	KDANG
		APPROVED	SPONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [.5]	± 1/32
.XXX = ±.005 [.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤ 12 [305]	± 1 [25] / -0
> 12 [305] ≤ 60 [1524]	± 2 [51] / -0
> 60 [1524] ≤ 120 [3048]	± 4 [102] / -0
> 120 [3048] ≤ 300 [7620]	± 6 [152] / -0
> 300 [7620]	± 5% / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	



Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

50ohm BNC Male to 75ohm BNC Female matching pad 3Ghz  
VSWR1.25

INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE  
NONE

SHEET  
1 OF 1

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE70MP1100

T-Rev.D2