



## 50 Ohm BNC Female to 75 Ohm F Female Adapter

### RF Adapters Technical Data Sheet

PE9153

#### Configuration

- BNC Female Connector 1
- F Female Connector 2
- 50 Ohm, 75 Ohm
- Straight Body Geometry

#### Features

- Gold Plated Brass Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9153 50 ohm BNC female to 75 ohm type F female adapter is part of our full line of RF components available for same-day shipping. Our BNC to type F adapter has a female to female gender configuration. PE9153 BNC female to type F female adapter operates to 1 GHz.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz

#### Mechanical Specifications

Size	
Length	1.055 in [26.8 mm]
Width	0.433 in [11 mm]
Weight	0.024 lbs [10.89 g]

Description	Connector 1	Connector 2
Type	BNC Female	F Female
Polarity	Standard	Standard

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 Female to 75 Ohm F Female Adapter PE9153](#)



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#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		F Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
		100 $\mu$ inches minimum		100 $\mu$ inches minimum

#### Environmental Specifications

##### Temperature

Operating Range -40 to +60 °C

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

#### Plotted and Other Data

Notes:

50 Ohm BNC Female to 75 Ohm F Female Adapter 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 Female to 75 Ohm F Female Adapter PE9153](#)

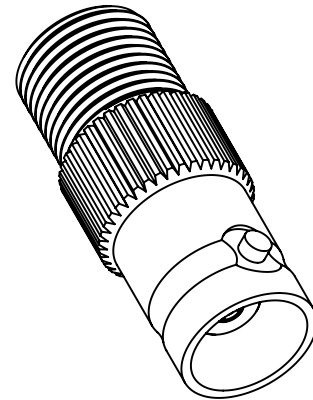
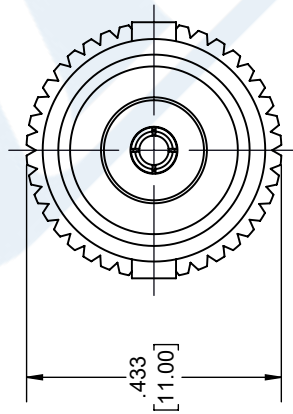
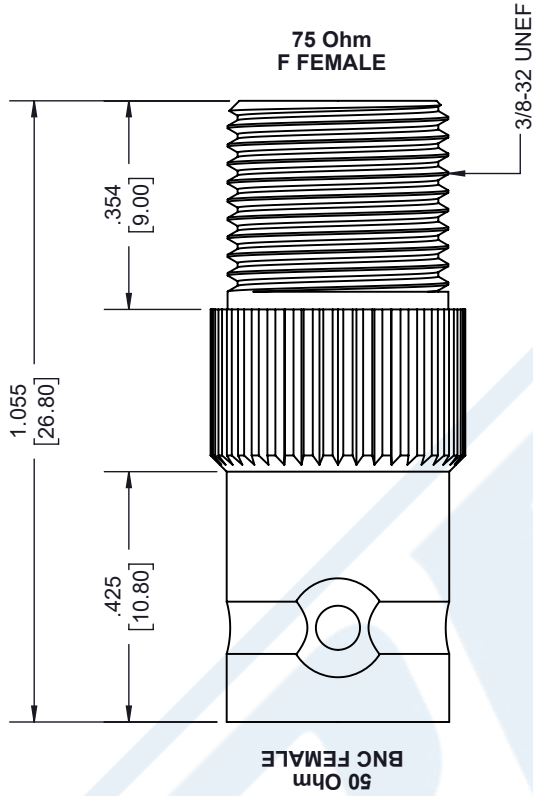
URL: <https://www.pasternack.com/f-female-bnc-female-straight-adapter-pe9153-p.aspx>

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.

# PE9153 CAD Drawing

50 Ohm BNC Female to 75 Ohm F Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE9153	2/24/2022	A. GANWANI



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		<div></div> <div>PASTERNAK® an INFINITE® brand</div> <div>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a> E-mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a></div>		THIRD-ANGLE PROJECTION <div></div> <div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</div> <div>SHEET 1 OF 1</div> <div>SCALE N/A</div>							
TOLERANCES:  X = ± .2 [ .008 ]    FRACTIONS .XX = ± .02 [ .51 ]    1/32 XXX = ± .005 [ .13 ]    ANGLES ± 1°  CABLE LENGTH (L) TOLERANCES:  L ≤ 12 [305] = ± .1 [25] / -0 12 [305] < L ≤ 60 [1524] = ± .2 [51] / -0 60 [1524] < L ≤ 120 [3048] = ± .4 [102] / -0 120 [3048] < L ≤ 300 [7620] = ± .6 [152] / -0 300 [7620] < L = +5% L / -0		SIZE A		CAGE CODE 53919		DRAWN BY K.DANG		ITEM NO. PE9153		REV B	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.											

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