



75 Ohm F Male to 75 Ohm F Female Right Angle Adapter

RF Adapters Technical Data Sheet

PE9166

Configuration

- F Male Connector 1
- F Female Connector 2
- 75 Ohm
- Right Angle Body Geometry

Features

- 30 µ-in minimum contact plating
- Gold Plated Brass Contact

Applications

- General Purpose Test
- CATV

Description

Pasternack's PE9166 75 ohm type F male to type F female right angle adapter is part of our full line of RF components available for same-day shipping. Our type F to type F adapter has a male to female gender configuration. PE9166 type F male to type F female adapter operates to 1,000 MHz. This right angle type F to type F adapter allows for easier connections in tight spaces.

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
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	1.016 in [25.81 mm]
Width	0.438 in [11.13 mm]
Height	0.709 in [18.01 mm]
Weight	0.036 lbs [16.33 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 F Male to 75 Ohm F Female Right Angle Adapter PE9166](#)



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Description	Connector 1	Connector 2
Type	F Male	F Female
Polarity	Standard	Standard
Hex Size	7/16 in.	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	F Male		F Female	
Contact	Brass	Gold 30 µ-in minimum	Brass	Gold 30 µ-in minimum
Insulation	POM		POM	
Outer Conductor			Brass	Nickel 100 µ-in minimum
Body	Brass	Nickel 100 µ-in minimum		
Coupling Nut	Brass	Nickel 100 µ-in minimum		

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

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

Plotted and Other Data

Notes:

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75 Ohm F Male to 75 Ohm F Female Right Angle 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.

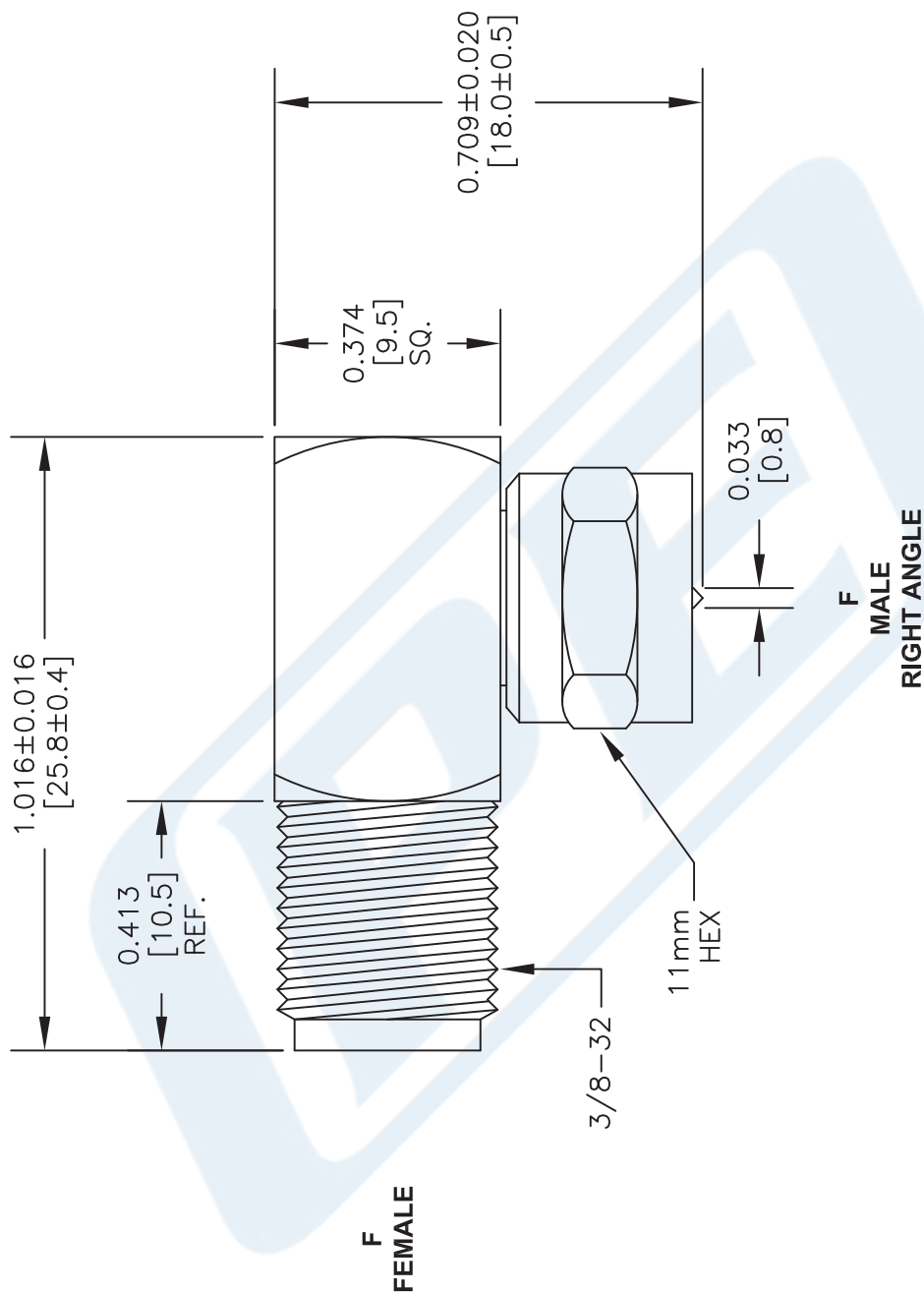
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male to 75 Ohm F Female Right Angle Adapter PE9166](https://www.pasternack.com/f-male-f-female-right-angle-adapter-pe9166-p.aspx)

URL: <https://www.pasternack.com/f-male-f-female-right-angle-adapter-pe9166-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.

PE9166 CAD Drawing

75 Ohm F Male to 75 Ohm F Female Right Angle Adapter



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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

DWG TITLE

PE9166

FSCM NO. 53919

CAD FILE 021516

SCALE N/A

SIZE A

3045

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].