



1.85mm Male to 3.5mm Female Adapter

RF Adapters Technical Data Sheet

PE9747

Configuration

- 1.85mm Male Connector 1
- 3.5mm Female Connector 2
- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.3:1 up to 34 GHz
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9747 1.85mm male to 3.5mm female adapter is part of our full line of RF components available for same-day shipping. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. Our 1.85mm to 3.5mm adapter has a male to female gender configuration. PE9747 1.85mm male to 3.5mm female adapter operates to 34 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 maximum.

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		34	GHz
VSWR			1.3:1	

Mechanical Specifications

Size	
Length	0.776 in [19.71 mm]
Width	0.312 in [7.92 mm]
Weight	0.012 lbs [5.44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 3.5mm Female Adapter PE9747](#)



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Description	Connector 1	Connector 2
Type	1.85mm Male	3.5mm Female
Polarity	Standard	Standard
Hex Size	5/16 in.	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.85mm Male		3.5mm Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Outer Conductor			Passivated Stainless Steel	
Body	Passivated Stainless Steel			
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

Plotted and Other Data

Notes:

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Typical Performance Data



1.85mm Male to 3.5mm Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

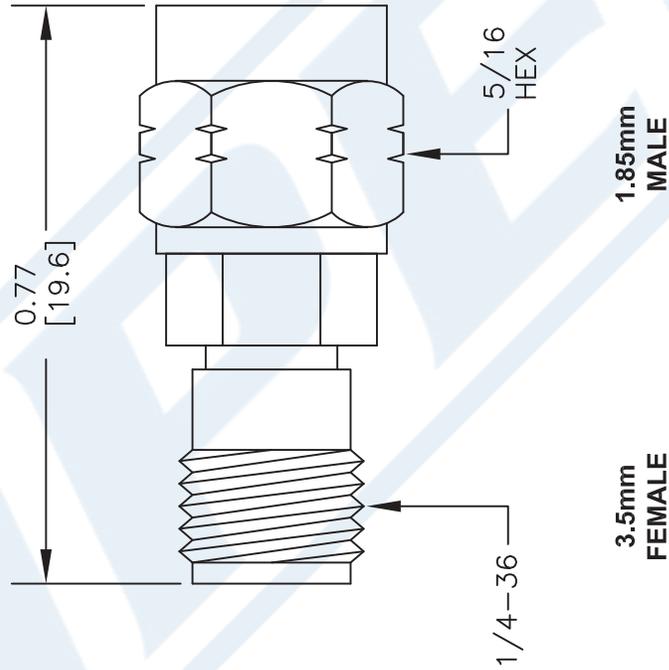
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 3.5mm Female Adapter PE9747](#)

URL: <https://www.pasternack.com/3.5mm-female-1.85mm-male-straight-adapter-pe9747-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.

PE9747 CAD Drawing

1.85mm Male to 3.5mm Female Adapter



DWG TITLE

PE9747

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].

FSCM NO. 53919

CAD FILE 020316

SCALE N/A

SIZE A

3045



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