



1.85mm Female to 1.85mm Female Adapter

RF Adapters Technical Data Sheet

PE91084

Configuration

- 1.85mm Female Connector 1
- 1.85mm Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- Gold Plated Contact

Applications

- General Purpose Test

Description

Pasternack's PE91084 1.85mm female to 1.85mm 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 1.85mm adapter has a female to female gender configuration. PE91084 1.85mm female to 1.85mm female adapter operates to 67 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 | | 67 | GHz |
| RF Leakage | | | -90 | dB |
| Input Power (CW) | | | 20 | Watts |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------|----------|----------|----|----|----|-------|
| Frequency Range | DC to 50 | 50 to 67 | | | | GHz |
| VSWR, Max | 1.35:1 | | | | | |
| VSWR, Typ | | 1.35:1 | | | | |

Electrical Specification Notes:
 Values at 25° sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Female to 1.85mm Female Adapter PE91084](#)



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Mechanical Specifications

Size

| | |
|--------|-------------------|
| Length | 1 in [25.4 mm] |
| Width | 0.31 in [7.87 mm] |
| Weight | 0.015 lbs [6.8 g] |

| Description | Connector 1 | Connector 2 |
|-------------|---------------|---------------|
| Type | 1.85mm Female | 1.85mm Female |
| Polarity | Standard | Standard |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|------------------|---------|------------------|---------|
| | Material | Plating | Material | Plating |
| Type | 1.85mm Female | | 1.85mm Female | |
| Contact | Beryllium Copper | Gold | Beryllium Copper | Gold |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Stainless Steel | Gold | Stainless Steel | Gold |

Environmental Specifications

Temperature

| | |
|-----------------|-------------------|
| Operating Range | -55 to +125 deg C |
|-----------------|-------------------|

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Female to 1.85mm Female Adapter PE91084](#)

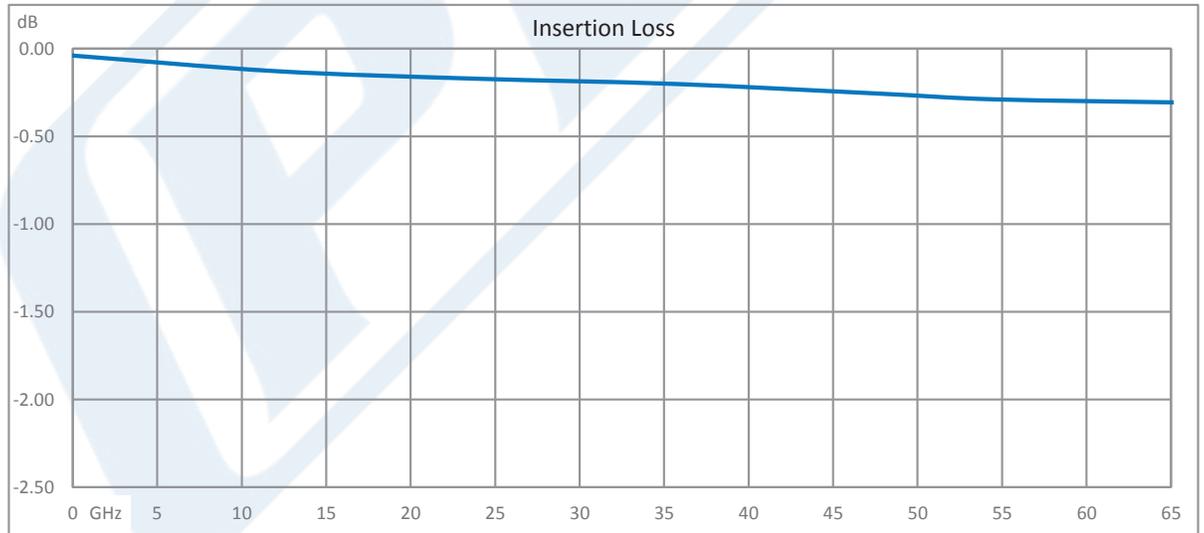
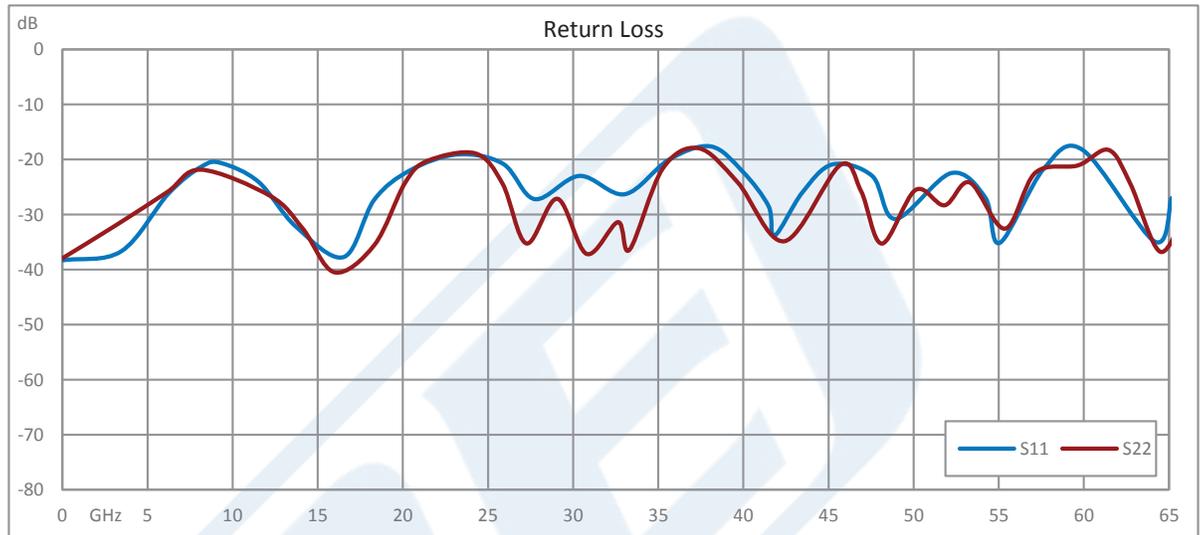


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Typical Performance Data



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1.85mm Female to 1.85mm 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.

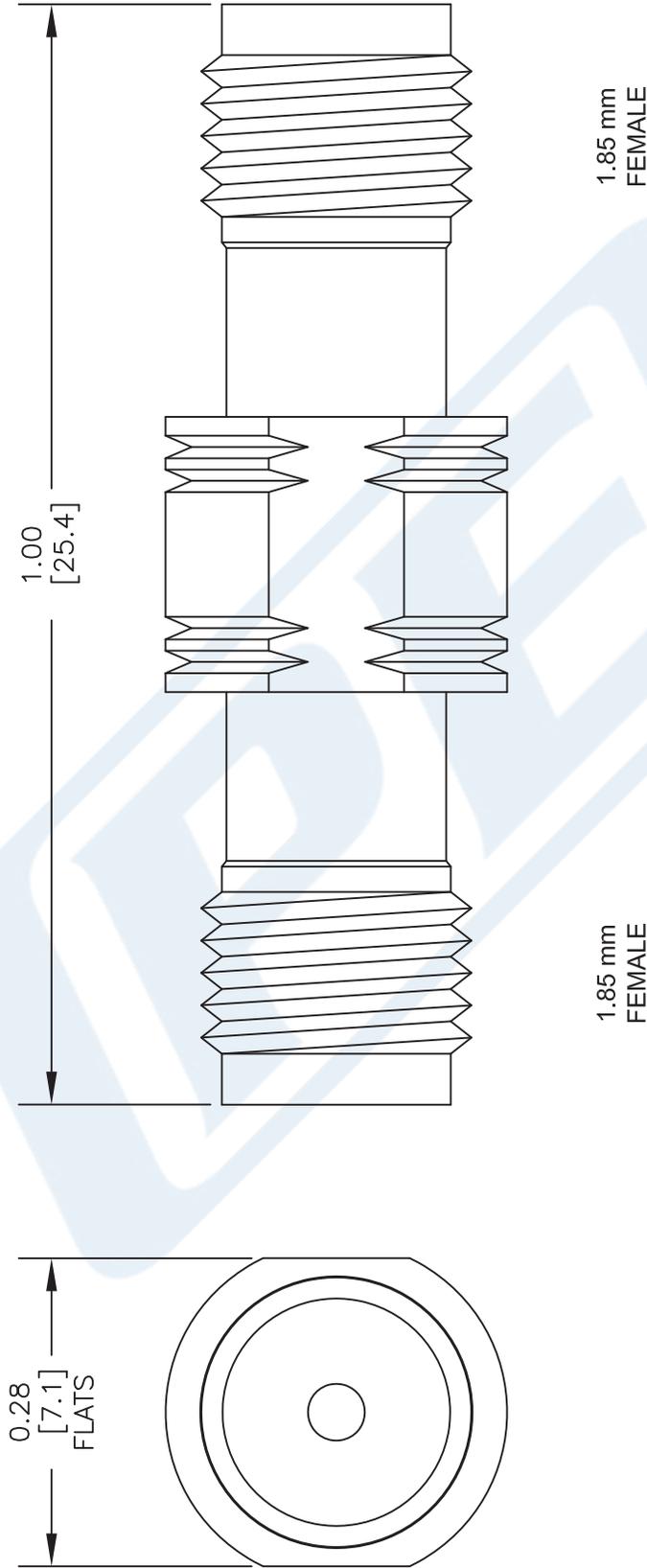
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Female to 1.85mm Female Adapter PE91084](https://www.pasternack.com/1.85mm-female-1.85mm-female-straight-adapter-pe91084-p.aspx)

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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.

PE91084 CAD Drawing

1.85mm Female to 1.85mm Female Adapter



DWG TITLE

PE91084

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 042516

SCALE N/A

SIZE A

2233



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