



## 2.4mm Female Threaded Mount Field Replaceable Connector .012 inch Pin

### RF Connectors Technical Data Sheet

**PE44219**

#### Configuration

- 2.4mm Female Connector
- 50 Ohms
- Straight Body Geometry
- .012 inch Pin Interface Type
- Field Replaceable Attachment
- Threaded

#### Features

- Max. Operating Frequency 50 GHz
- Good VSWR of 1.3:1
- Gold over Nickel Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

#### Applications

- General Purpose Test

#### Description

Pasternack's PE44219 2.4mm female field replaceable connector is part of our full line of RF components available for same-day shipping. Our 2.4mm female connector operates up to a maximum frequency of 50 GHz and offers good VSWR of 1.3:1. This field replaceable connector is easy to install or replace in the field.

Our 2.4mm female threaded connector PE44219 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 50      | GHz   |
| VSWR            |         |         | 1.3:1   |       |
| Insertion Loss  |         |         | 0.36    | dB    |

Electrical Specification Notes:  
Insertion loss:  $0.05 \times \sqrt{f(\text{GHz})}$  dB.

#### Mechanical Specifications

##### Size

|               |                     |
|---------------|---------------------|
| Length        | 0.455 in [11.56 mm] |
| Width/Dia.    | 0.275 in [6.99 mm]  |
| Weight        | 0.006 lbs [2.72 g]  |
| Mating Cycles | 500 Cycles          |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Female Threaded Mount Field Replaceable Connector .012 inch Pin PE44219](#)



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#### Material Specifications

| Description | Material                   | Plating                         |
|-------------|----------------------------|---------------------------------|
| Contact     | Beryllium Copper           | Gold over Nickel<br>MIL-G-45204 |
| Insulation  | PPO                        |                                 |
| Body        | Passivated Stainless Steel | ASTM-A380                       |

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +100 deg C

Vibration

MIL-STD-202, Method 204, Condition D (20 G's)

Salt Spray

MIL-STD-202, Method 101, Condition B, 5% salt solution

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

#### Plotted and Other Data

Notes:

2.4mm Female Threaded Mount Field Replaceable Connector .012 inch Pin 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.

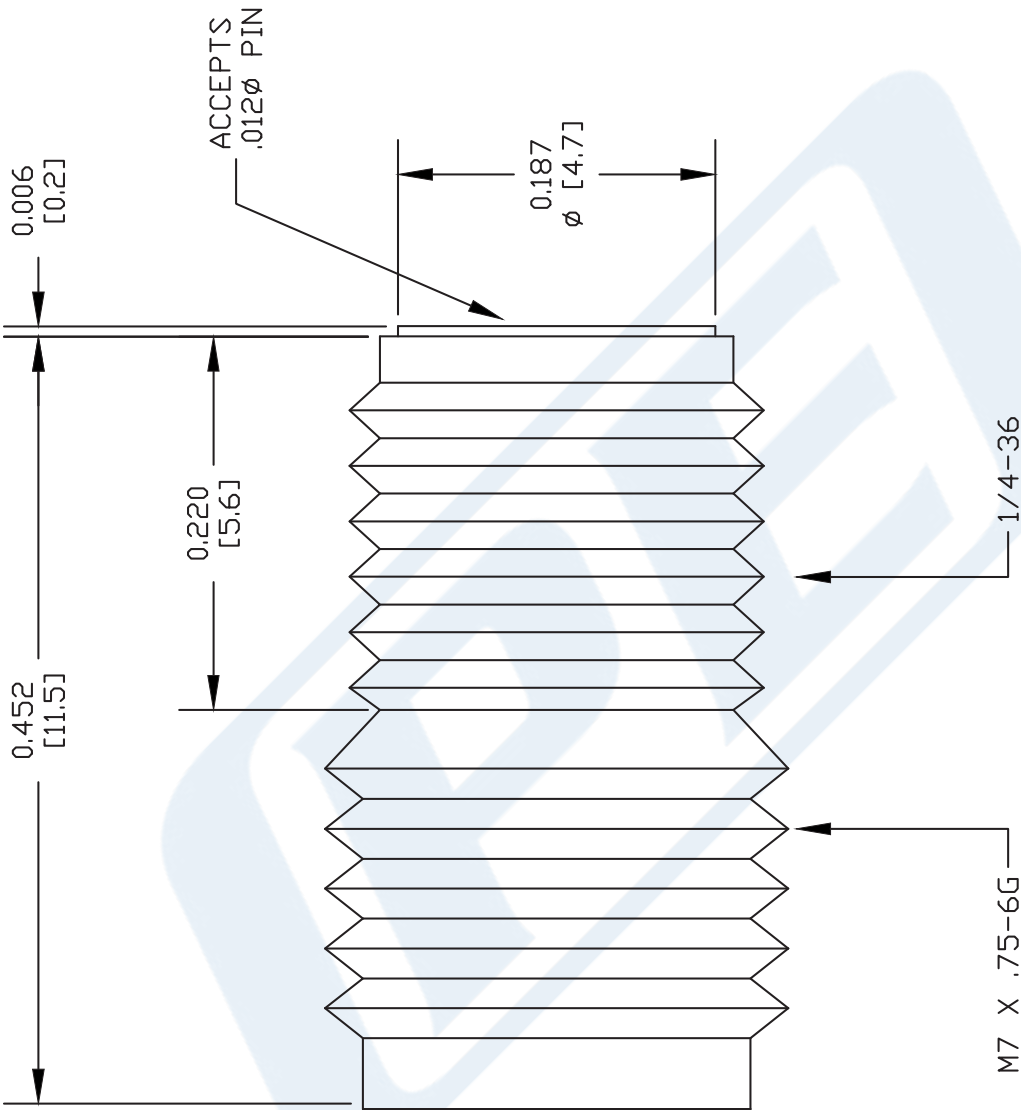
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URL: <https://www.pasternack.com/2.4mm-female-standard-0.012-pin-connector-pe44219-p.aspx>

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.

PE44219 CAD Drawing

2.4mm Female Threaded Mount Field Replaceable Connector .012 inch Pin



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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE44219**

FSCM NO. 53919

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SIZE A

SCALE N/A

CAD FILE 042209

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