



## Slide-On BMA Jack to SMA Female Adapter

### RF Adapters Technical Data Sheet

**PE91400**

#### Configuration

- Slide-On BMA Jack Connector 1
- SMA Female Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.25:1 up to 18 GHz
- 51.18µ in. minimum contact plating
- Gold Plated Beryllium Copper Contact
- Low-Engagement Force

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

#### Description

Pasternack's PE91400 slide-on BMA jack to SMA female adapter is part of our full line of RF components available for same-day shipping. Our BMA to SMA adapter has a jack to female gender configuration built of durable stainless steel. PE91400 BMA jack to SMA female adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 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      |         | 18      | GHz   |
| VSWR                                 |         |         | 1.25:1  |       |
| Insertion Loss                       |         |         | 0.3     | dB    |
| Operating Voltage (AC)               |         |         | 350     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

#### Mechanical Specifications

##### Size

|        |                    |
|--------|--------------------|
| Length | 0.55 in [13.97 mm] |
| Width  | 0.287 in [7.29 mm] |
| Weight | 0.009 lbs [4.08 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Jack to SMA Female Adapter PE91400](#)



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| Description                  | Connector 1        | Connector 2 |
|------------------------------|--------------------|-------------|
| Type                         | BMA Jack           | SMA Female  |
| Polarity                     | Standard           | Standard    |
| Mating Cycles                | 1,000              | 1,000       |
| Contact Retention Force, Min | 6.07 lbs [2.75 Kg] |             |

#### Material Specifications

| Description     | Connector 1                |                            | Connector 2                |                            |
|-----------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                 | Material                   | Plating                    | Material                   | Plating                    |
| Type            | Slide-On BMA Jack          |                            | SMA Female                 |                            |
| Contact         | Beryllium Copper           | Gold<br>51.18μ in. minimum | Beryllium Copper           | Gold<br>51.18μ in. minimum |
| Insulation      | PTFE                       |                            | PTFE                       |                            |
| Outer Conductor | Beryllium Copper           | Gold                       | Passivated Stainless Steel |                            |
| Body            | Passivated Stainless Steel |                            | Passivated Stainless Steel |                            |

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

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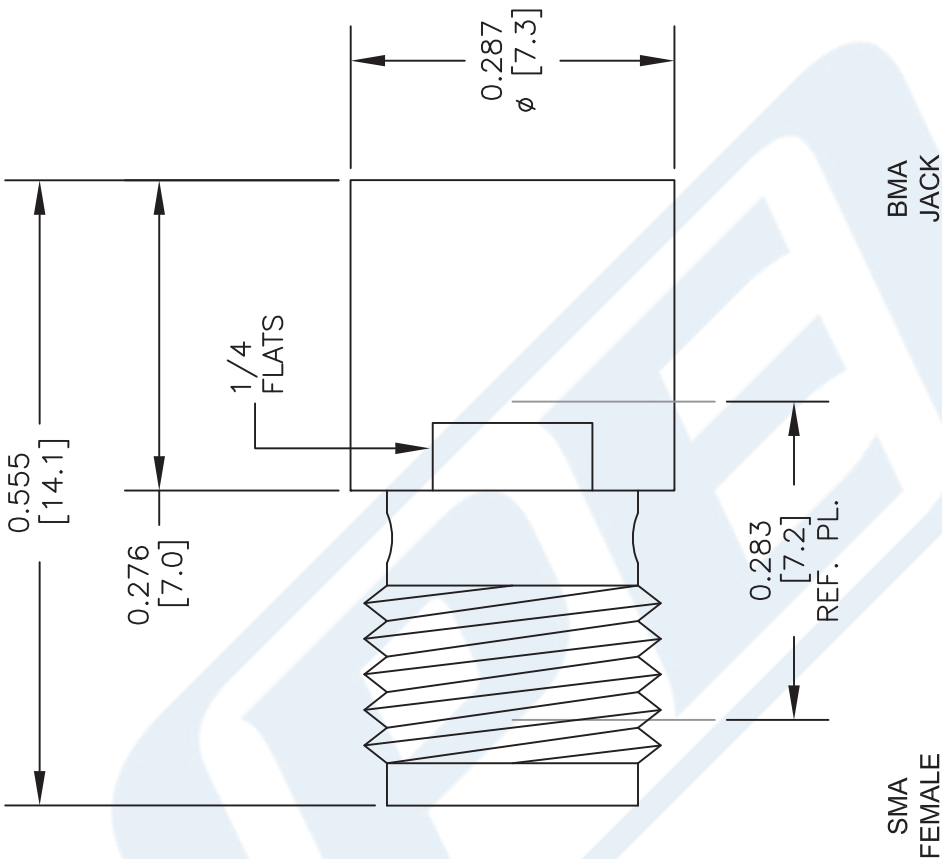
Slide-On BMA Jack to SMA Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Slide-On BMA Jack to SMA Female Adapter PE91400](https://www.pasternack.com/bma-jack-sma-female-straight-adapter-pe91400-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.

PE91400 CAD Drawing  
Slide-On BMA Jack to SMA Female Adapter



STANDARD TOLERANCES

.X  $\pm 0.2$   
.XX  $\pm 0.1$   
.XXX  $\pm 0.05$

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE91400

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].

CAGE CODE 53919

CAD FILE 020217

SCALE N/A

SIZE A

2233