



Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter

RF Adapters Technical Data Sheet

PE91401

Configuration

- Slide-On BMA Plug Connector 1
- SMA Male Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

Features

- Max VSWR of 1.15:1 up to 18 GHz
- Gold Plated Brass Contact
- Low-Engagement Force

Applications

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

Description

Pasternack's PE91401 bulkhead slide-on BMA plug to SMA male adapter is part of our full line of RF components available for same-day shipping. Our BMA to SMA adapter has a plug to male gender configuration built of durable stainless steel. PE91401 BMA plug to SMA male adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.15:1 maximum. This RF BMA bulkhead to SMA adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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 | | | 1.15:1 | |
| Operating Voltage (AC) | | | 350 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 0.895 in [22.73 mm] |
| Width | 0.433 in [11 mm] |
| Weight | 0.017 lbs [7.71 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter PE91401](#)



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| Description | Connector 1 | Connector 2 |
|------------------------------|--------------------|-------------|
| Type | BMA Plug | SMA Male |
| Polarity | Standard | Standard |
| 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 Plug | | SMA Male | |
| Contact | Brass | Gold | Brass | Gold |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Passivated Stainless Steel | | | |
| Body | Passivated Stainless Steel | | 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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Bulkhead Mount Slide-On BMA Plug to SMA Male 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.

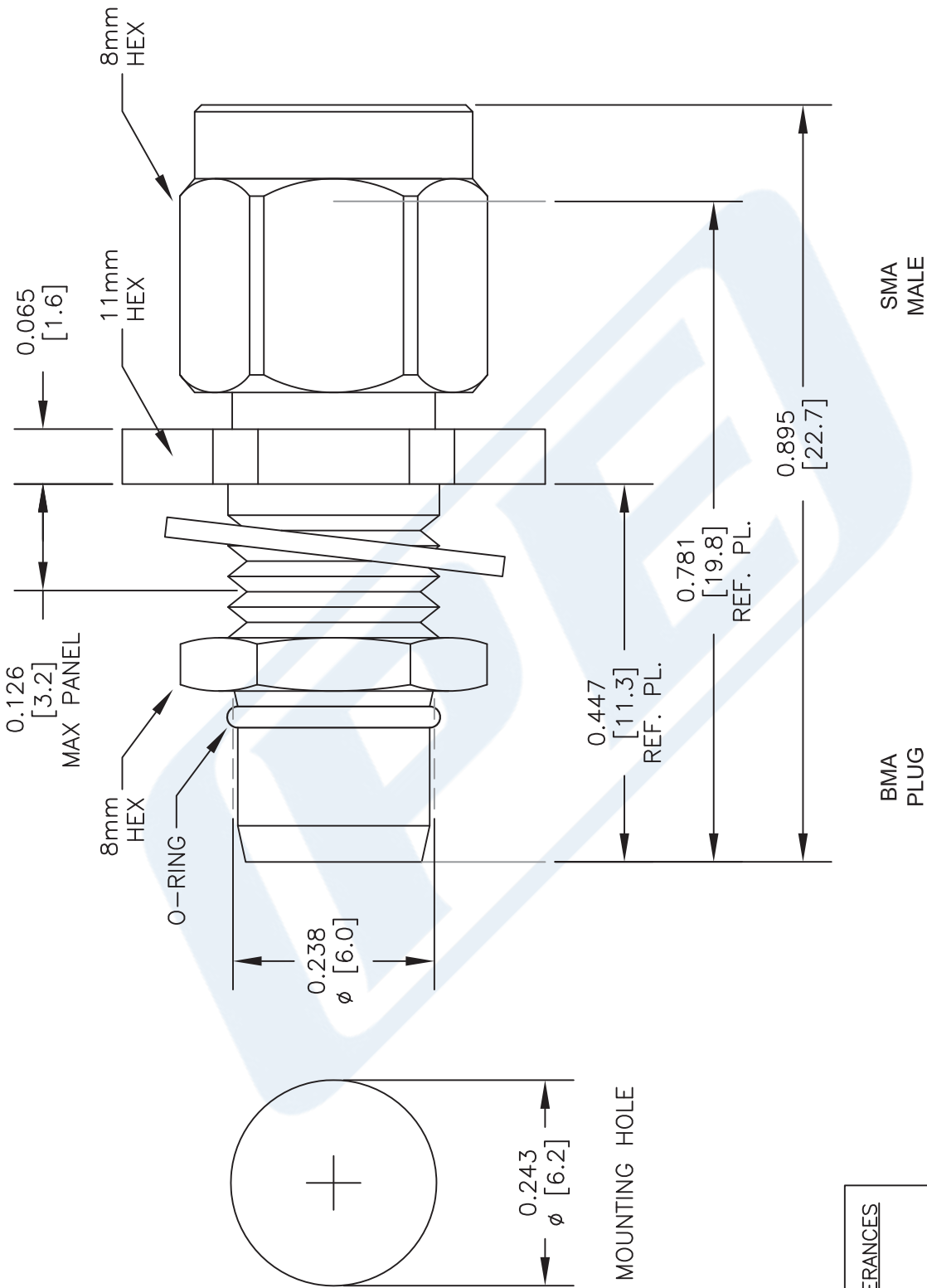
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter PE91401](https://www.pasternack.com/bma-plug-sma-male-straight-adapter-pe91401-p.aspx)

URL: <https://www.pasternack.com/bma-plug-sma-male-straight-adapter-pe91401-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.

PE91401 CAD Drawing

Bulkhead Mount Slide-On BMA Plug to SMA Male Adapter



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE91401

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 022217

SCALE N/A

SIZE A

2233