



BMA Plug Bulkhead Mount Slide-On Connector Solder/  
 Non-Solder Contact Attachment for RG402, PE-SR402AL,  
 PE-SR402FL, PE-SR402FLJ, PE-SR402TN

## RF Connectors Technical Data Sheet

PE45314

### Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ,

PE-SR402TN Interface Type

- Solder/Non-Solder Contact Attachment
- Bulkhead
- 8 mm Hex

### Features

- Max. Operating Frequency 22 GHz
- Good VSWR of 1.28:1
- Gold Plated Bronze Contact
- 51.18 $\mu$  in. minimum contact plating
- Blind Mate Connector
- Low-Engagement Force

### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

### Description

Pasternack's PE45314 BMA plug slide-on bulkhead connector with solder/non-solder contact attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ and PE-SR402TN is part of our full line of RF components available for same-day shipping. Our BMA plug connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.28:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. This BMA bulkhead connector 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.

Our BMA plug bulkhead connector PE45314 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		22	GHz
VSWR			1.28:1	
Insertion Loss			0.14	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314](#)



BMA Plug Bulkhead Mount Slide-On Connector Solder/  
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## RF Connectors Technical Data Sheet

PE45314

### Mechanical Specifications

Size	
Length	0.7 in [17.78 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles

### Material Specifications

Description	Material	Plating
Contact	Bronze	Gold 51.18 $\mu$ in. minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 78.74 $\mu$ in. minimum
Body	Brass	Tri-Metal 78.74 $\mu$ in. minimum
Washer	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range

-65 to +125 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314](#)



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## RF Connectors Technical Data Sheet

PE45314

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

### Plotted and Other Data

Notes:

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN 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.

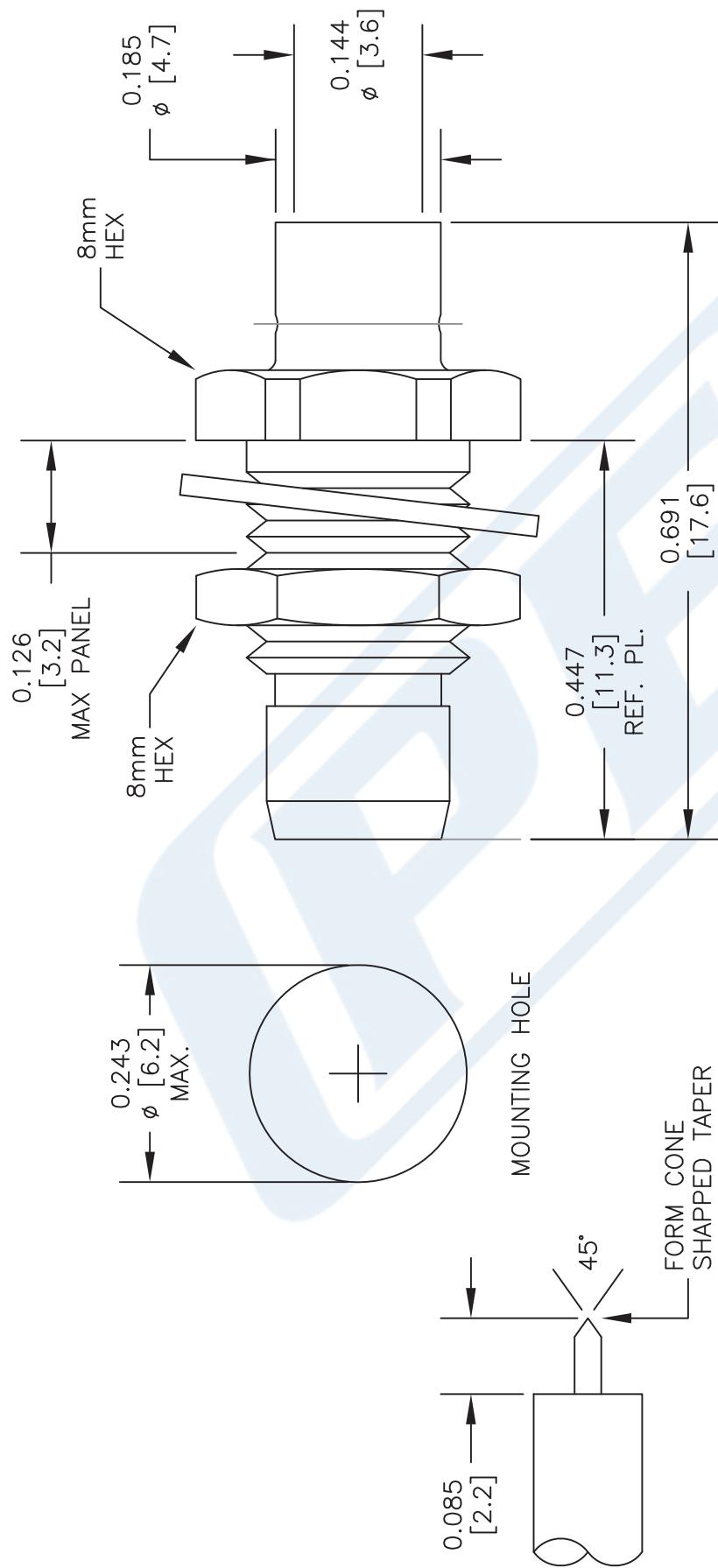
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URL: <https://www.pasternack.com/bma-plug-slide-on-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45314-p.aspx>

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# PE45314 CAD Drawing

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact  
Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN, DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

## STANDARD TOLERANCES

±0.2  
±0.1  
±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

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DWG TITLE	PE45314
CAGE CODE	53919

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
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3. DIMENSIONS ARE IN INCHES [mm].

SIZE A	2233
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## RF Connectors Technical Data Sheet

PE45314

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BMA Plug Bulkhead Mount Slide-On Connector Solder/  
Non-Solder Contact Attachment for RG402, PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN

## RF Connectors Technical Data Sheet

PE45314

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

### Plotted and Other Data

Notes:

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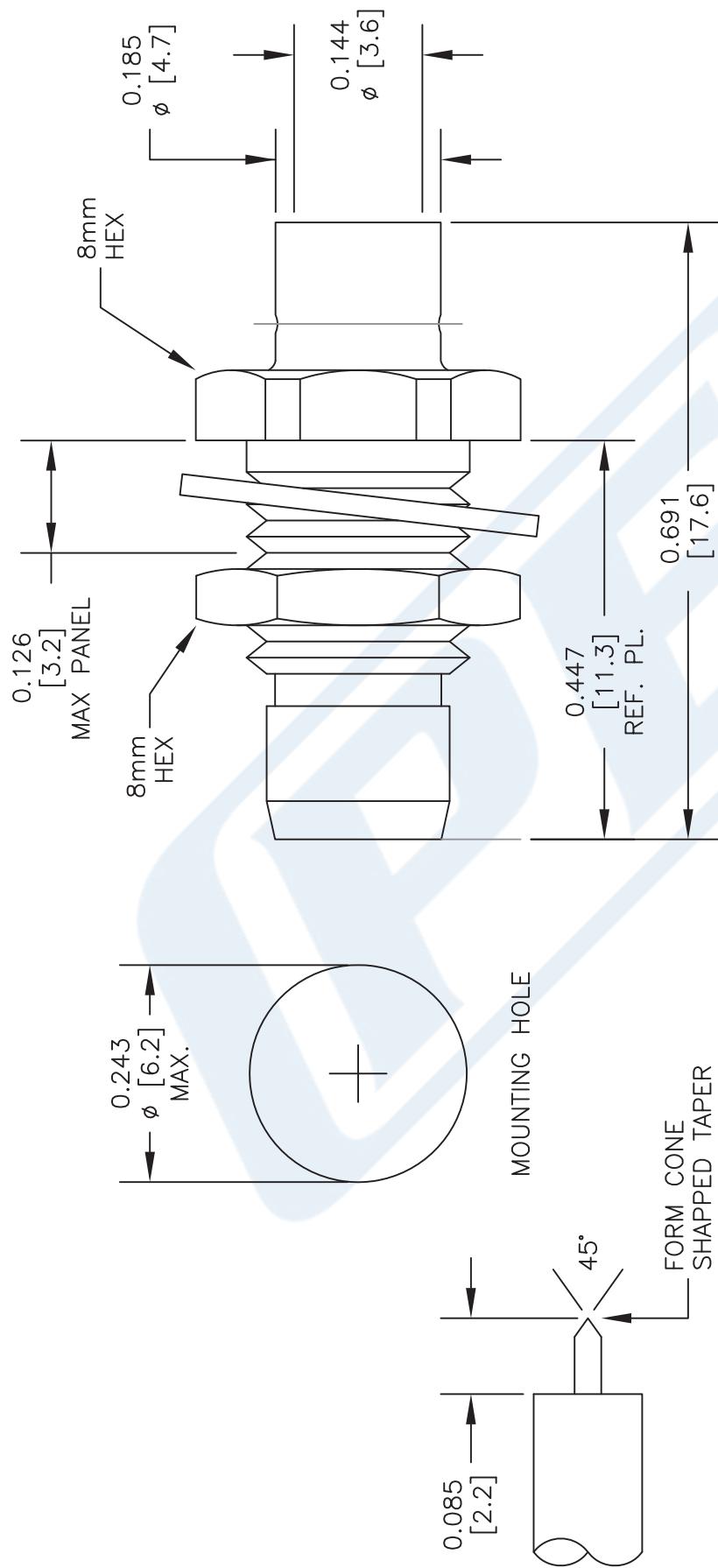
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# PE45314 CAD Drawing

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact  
Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN, DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

**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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CAGE CODE	53919	CAD FILE	022217	SCALE	N/A	SIZE	A	2233
<b>PASTERNACK®</b> THE ENGINEER'S RF SOURCE	<b>PE45314</b>							

**PASTERNACK®**  
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](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

## 141 Semi-rigid Coax Cable with Tinned Aluminum

### TECHNICAL DATA SHEET

PE-SR402AL

#### 141 Semi-rigid Coax Cable with Tinned Aluminum

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Aluminum

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	36
Dielectric Withstanding Voltage, Vrms	5,000

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	450

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	46 [150.92]
Power Handling, Watts	120

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	71 [232.94]
Power Handling, Watts	70

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +125
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###### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.036 [0.91]

###### Dielectric:

Type	PTFE
Diameter, in [mm]	0.118 [3]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

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## 141 Semi-rigid Coax Cable with Tinned Aluminum

### TECHNICAL DATA SHEET

PE-SR402AL

**Shield:**

Number of  
Material 1

1  
Tinned Aluminum

**Jacket:**

Diameter, in [mm]

0.141 [3.58]

One Time Minimum Bend Radius, in [mm]

0.1 [2.54]

Weight, lbs/ft [Kg/m]

0.02 [0.03]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

141 Semi-rigid Coax Cable with Tinned Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

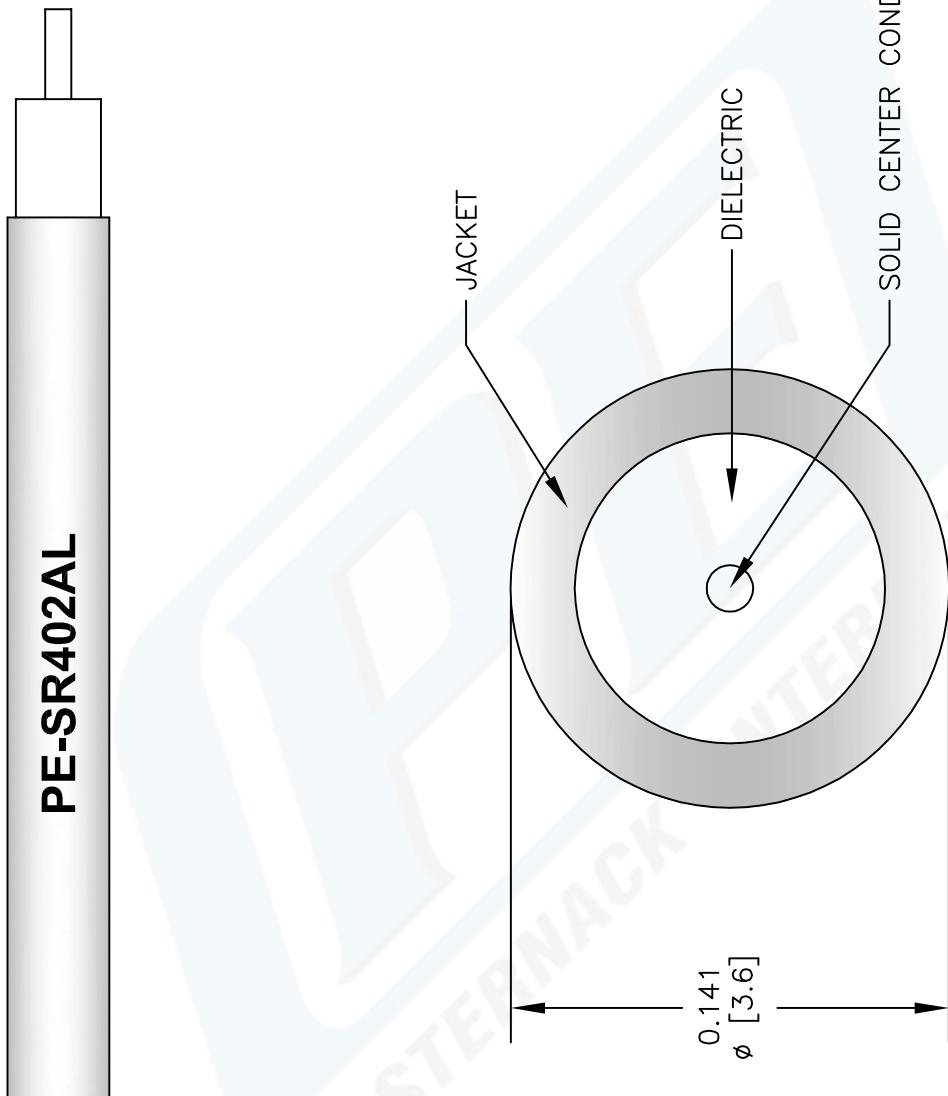
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](http://www.pasternack.com/semirigid-0.141-50-ohm-coax-cable-tinned-aluminum-pe-sr402al-p.aspx)

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# PE-SR402AL CAD Drawing

141 Semi-rigid Coax Cable with Tinned Aluminum



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**PE-SR402AL**

DWG TITLE

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