



## SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

### RF Connectors Technical Data Sheet

**PE44690**

#### Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR405AL, PE-SR-405FL, PE-SR405FLJ, PE-SR405TN, RG405
- 16-May inch Hex

#### Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.35:1

- Gold over Nickel Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44690 SMA male connector with solder/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.35:1.

Our SMA male connector PE44690 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		18	GHz
VSWR			1.35:1	

#### Mechanical Specifications

##### Size

Length  
Width/Dia.

0.441 in [11.2 mm]  
0.315 in [8.00 mm]

Weight

0.008 lbs [3.63 g]

Mating Torque

8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44690](#)



## SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

### RF Connectors Technical Data Sheet

PE44690

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel
Coupling Nut	Passivated Stainless Steel	

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

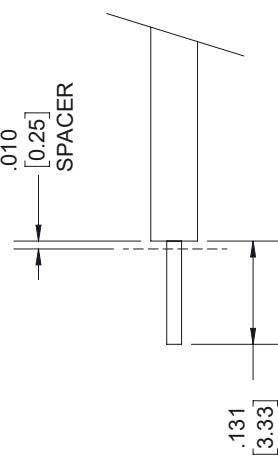
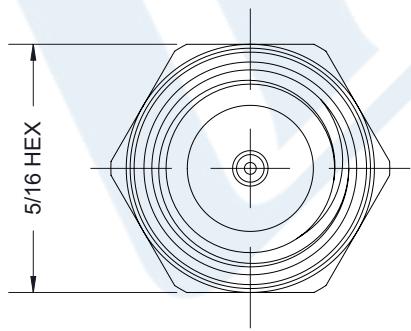
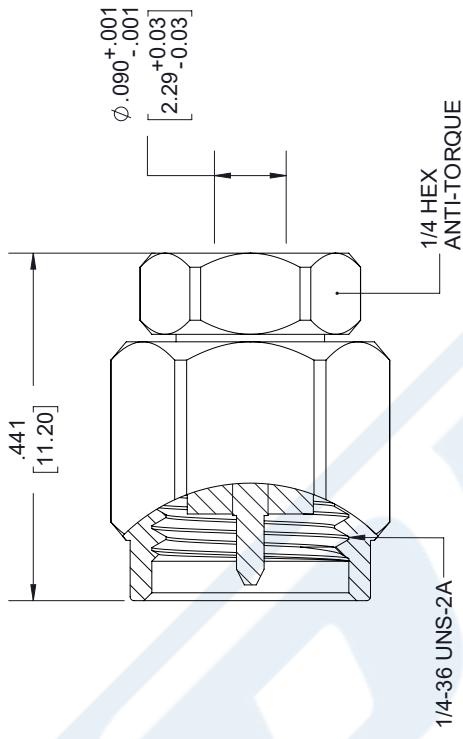
SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection 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: [SMA Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44690](#)

URL: <https://www.pasternack.com/sma-male-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe44690-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44690	12/23/2019	S.ELLIS



### STRIPPING DIMENSIONS

#### NOTES:

1. CABLE ATTACHMENT:
  - OUTER: SOLDER.
  - INNER: SOLDER.

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1/4-36 UNS-2A		1/4 HEX ANTI-TORQUE		1/4" HEX SPACER		1/4" HEX	
.441		.11.20		.090 +.001 -.001		2.29 +.03 -.03	
.131		.333		.010 [.025]		.131 [.333]	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		TOLERANCES:		FRACTIONS		ANGLES ± 1°	
X = ± .2		[.08]		± 1/32		CABLE LENGTH (L) TOLERANCES:	
XX = ± .02		[.51]		[.13]		L ≤ 12 [305] = +1 [25] / -0	
XXX = ± .005		[.005]		[.005]		12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
CABLE LENGTH (L) TOLERANCES:		ANGLES ± 1°		L ≤ 120 [3048] = +4 [102] / -0		60 [1524] < L ≤ 120 [3048] = +6 [152] / -0	
L ≤ 12 [305] = +1 [25] / -0		CABLE LENGTH (L) TOLERANCES:		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0		300 [7620] < L = +5% L / -0	
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PASTERNAK ENTERPRISES, INC.		[.13]		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
P.O. BOX 16759, IRVINE, CA 92623.		[.005]		300 [7620] < L = +5% L / -0		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
PHONE: 1.949.261.920   1.866.727.8376		[.005]		FAX: 1.949.261.7451		WEBSITE: <a href="http://www.pasterнак.com">www.pasterнак.com</a>	
E-MAIL: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>		[.005]		[.005]		ITEM NO.	
SHEET 1 OF 1		[.005]		[.005]		PE44690	
SCALE N/A		[.005]		[.005]		REV A	

# SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



## RF Connectors Technical Data Sheet

**PE44696**

### Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405
- Bulkhead

### Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

### Description

Pasternack's PE44696 SMA female bulkhead connector with solder/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.35:1. This SMA 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 SMA female bulkhead connector PE44696 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		18	GHz
VSWR		1.3:1	1.35:1	
Insertion Loss		0.55	0.6	dB

### Mechanical Specifications

<b>Size</b>	
Length	0.63 in [16 mm]
Width/Dia.	0.433 in [11.00 mm]
Weight	0.008 lbs [3.63 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44696](#)

# SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



## RF Connectors Technical Data Sheet

**PE44696**

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel

### Environmental Specifications

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

### Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 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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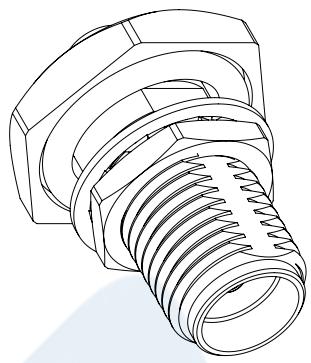
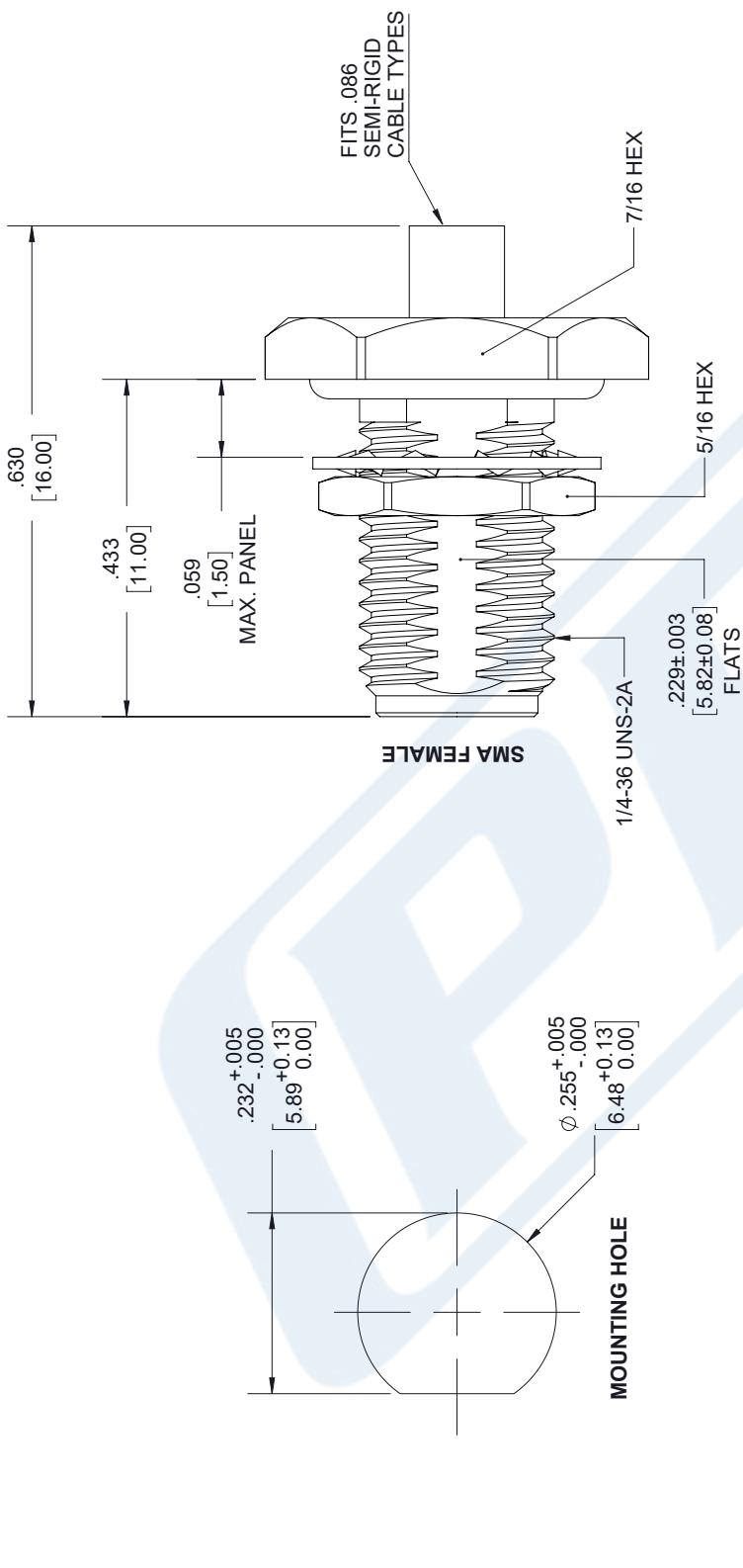
URL: <https://www.pasternack.com/sma-female-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe44696-p.aspx>

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# PE44696 CAD Drawing

SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

REVISIONS					
REV.	DESCRIPTION	DATE	APPROVED		
A	PCR PE44696	12/24/2019	S.ELLIS		



## STRIPPING DIMENSIONS

### NOTES:

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  - INNER: SOLDER.

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SCALE	1 OF 1
ITEM NO.	PE44696
REV	A

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS TOLERANCES:
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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

## 086 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

### RG405/U

#### 086 Semi-rigid Coax Cable with Copper Outer Conductor

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

##### Electrical Specifications by Frequency

<b>Frequency 1</b>	
Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	22 [72.18]
Power Handling, Watts	130

##### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	80 [262.47]
Power Handling, Watts	35

##### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	120 [393.7]
Power Handling, Watts	20

##### Mechanical Specifications

<b>Temperature</b>	
Operating Range, deg C	-55 to +125

##### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

##### Dielectric:

Type	PTFE
Diameter, in [mm]	0.066 [1.68]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](#)

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.

## 086 Semi-rigid Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

### RG405/U

**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.087 [2.21]

**Jacket:**

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.015 [0.02]

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

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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086 Semi-rigid Coax Cable with Copper Outer Conductor 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: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx)

URL: <http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx>

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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].			
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