



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
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 18 GHz
- 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.

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

Mechanical Specifications

Size	
Length	0.441 in [11.2 mm]
Width/Dia.	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](#)



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Material Specifications

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

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% availability and are part of the broadest selection in the industry.

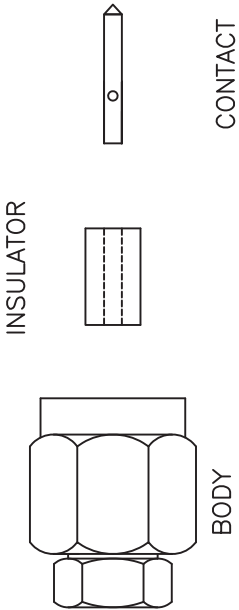
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URL: <https://www.pasternack.com/sma-male-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe44690-p.aspx>

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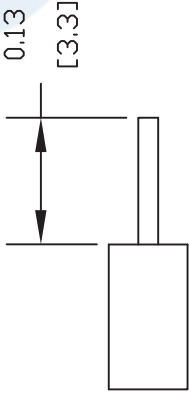
PE44690 CAD Drawing

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

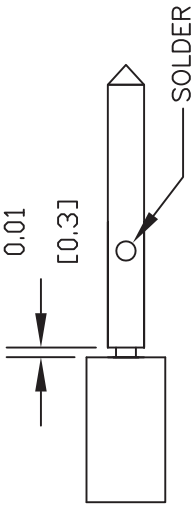


ASSEMBLY PROCEDURES

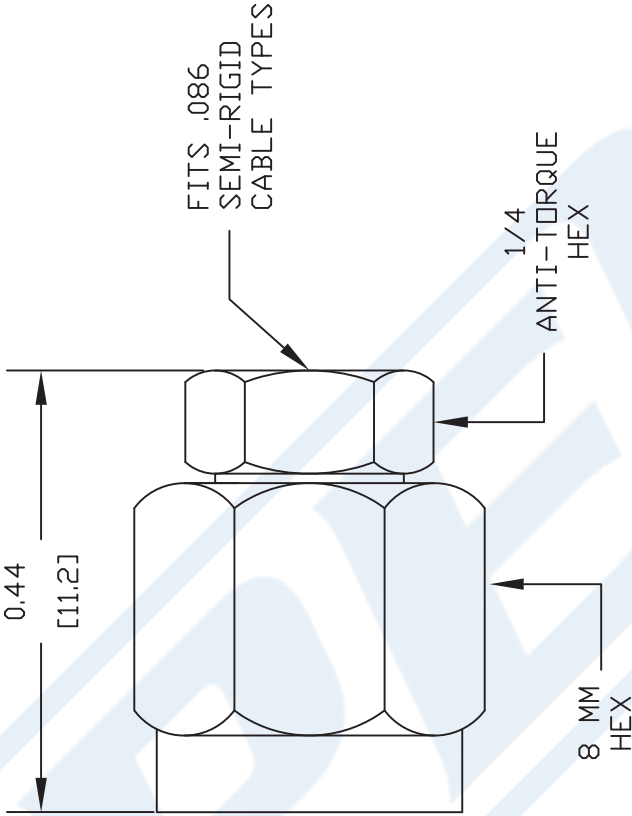
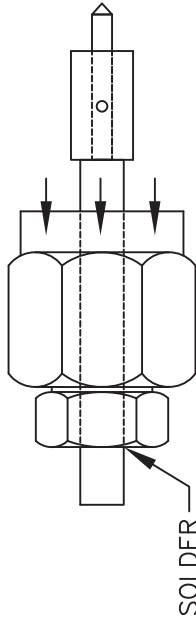
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2. INSERT BODY THROUGH CABLE. PLACE CONTACT OVER CENTER CONDUCTOR AS SHOWN. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN.



3. SLIDE INSULATOR OVER CONTACT UNTIL IT BOTTOMS OUT. INSERT INSULATOR TO BODY UNTIL IT MATES. SOLDER BODY TO CABLE.



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WEB ADDRESS: www.pasternack.com
E-MAIL ADDRESS: sales@pasternack.com
COAXIAL & FIBER OPTICS
ESTABLISHED 1972

DWG TITLE

PE44690

NOTES:
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REV. -

FSCM NO. 53919

CAD FILE 062111

SCALE N/A

SIZE A

2231



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Plotted and Other Data

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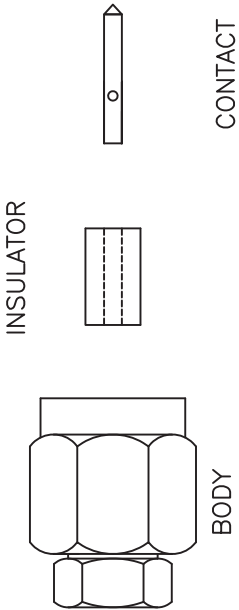
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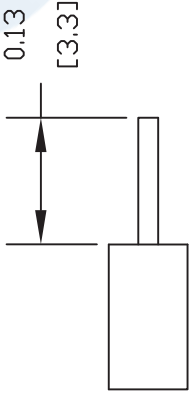
PE44690 CAD Drawing

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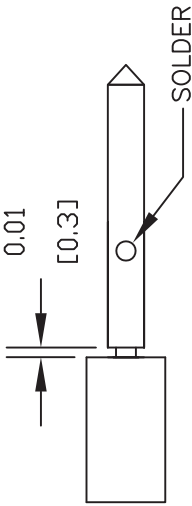


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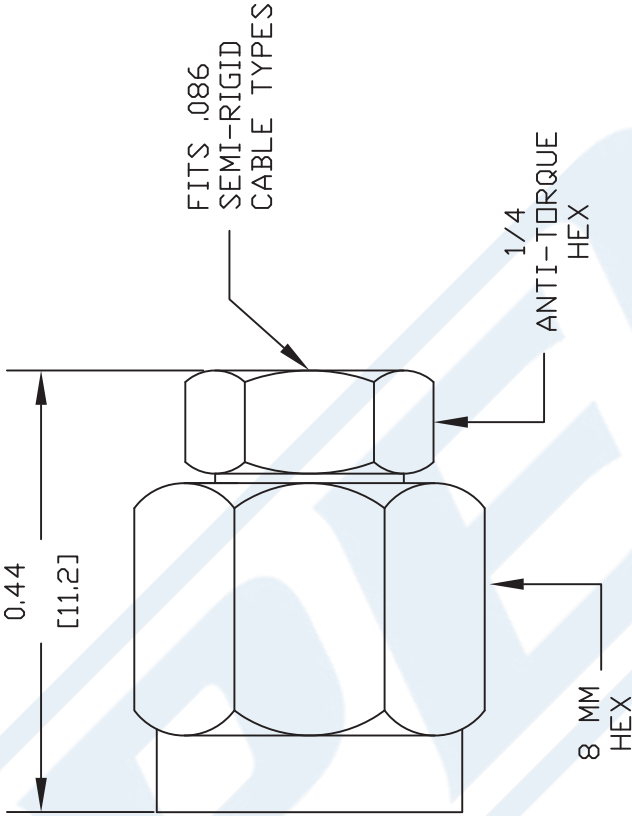
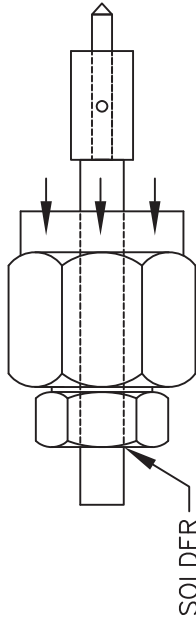
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REV. -

FSCM NO. 53919

CAD FILE 062111

SCALE N/A

SIZE A

2231

Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR405FL

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	40
Capacitance, pF/ft [pF/m]	29 [95.14]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	22.5 [73.82]

Frequency 2

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	54.9 [180.12]

Frequency 3

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	84 [275.59]

Frequency 4

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	134 [439.63]

Mechanical Specifications

Inner Conductor

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR405FL](#)

Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR405FL**Dielectric:**

Type	PTFE
Diameter, in [mm]	0.065 [1.65]

Shield:

Number of	1
Material 1	Tinned Copper Braid
Diameter, in [mm]	0.086 [2.18]

Jacket:

Weight, lbs/ft [Kg/m]	0.013 [0.02]
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Compliance Certifications (visit www.Pasternack.com for current document)
RoHS Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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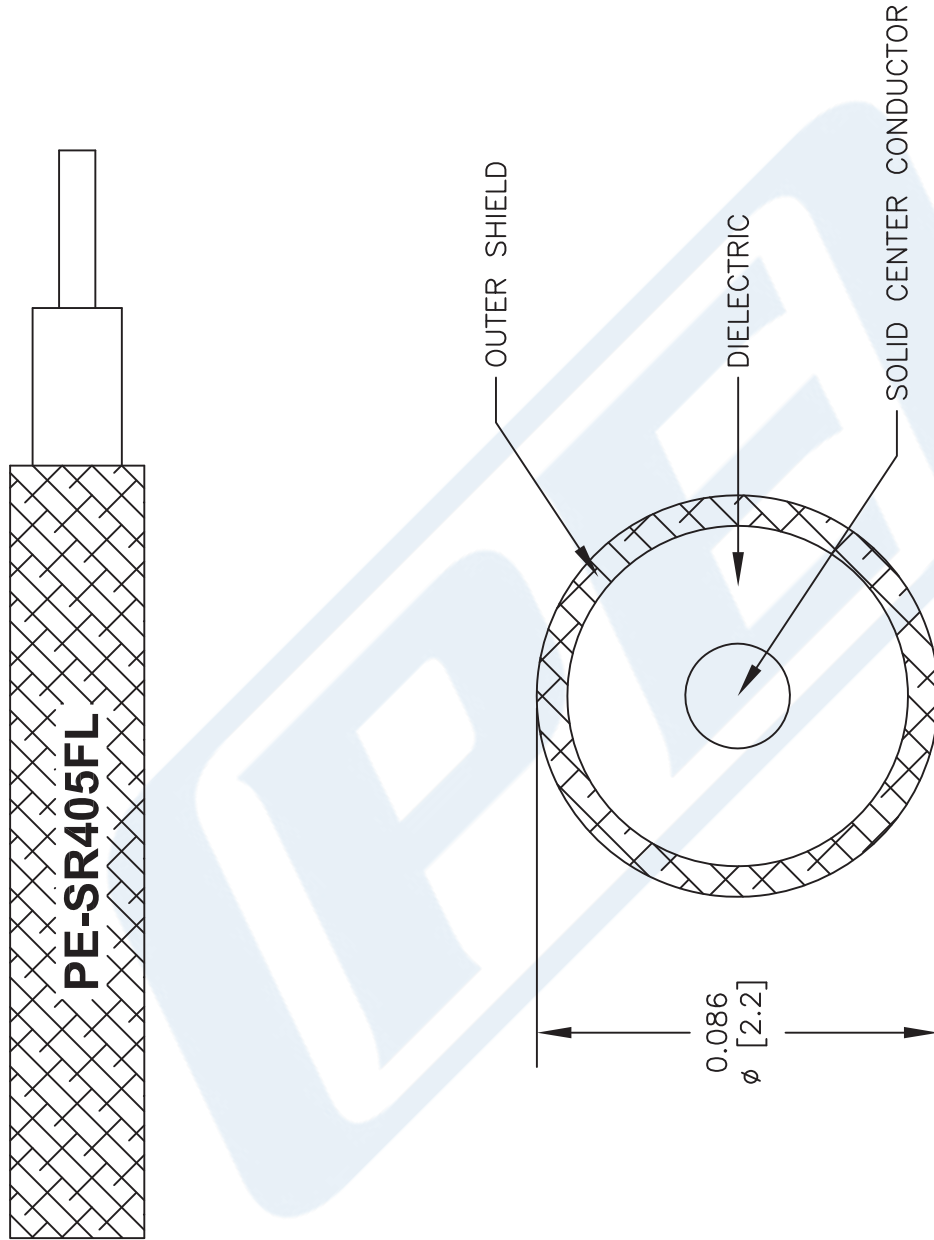
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URL: <http://www.pasternack.com/formable-0.085-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr405fl-p.aspx>

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PE-SR405FL CAD Drawing

Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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DWG TITLE

PE-SR405FL

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 022808-A

P**ASTERNACK**[®]

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