



SSMA Female Bulkhead Connector Solder Attachment For
PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole

TECHNICAL DATA SHEET

PE44390

SSMA Female Bulkhead Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole

Configuration

Connector	SSMA Female
Connector Specification	MIL-C-39012
Connector Interface Type	PE-SR405AL, PE-SR405FL, RG405
Cable Attachment Method (Shield/Contact)	Solder/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	0.685 [17.4]
Width/Dia., in [mm]	0.375 [9.53]
Weight, lbs [g]	0.008 [3.63]

Connector

Type	SSMA Female
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Body Material and Plating	Brass, Gold
Body Plating Specification	MIL-G-45204
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Female Bulkhead Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole PE44390](#)

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.



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Plotted and Other Data

Notes:

Values at 25 °C, sea level

SSMA Female Bulkhead Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole 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.

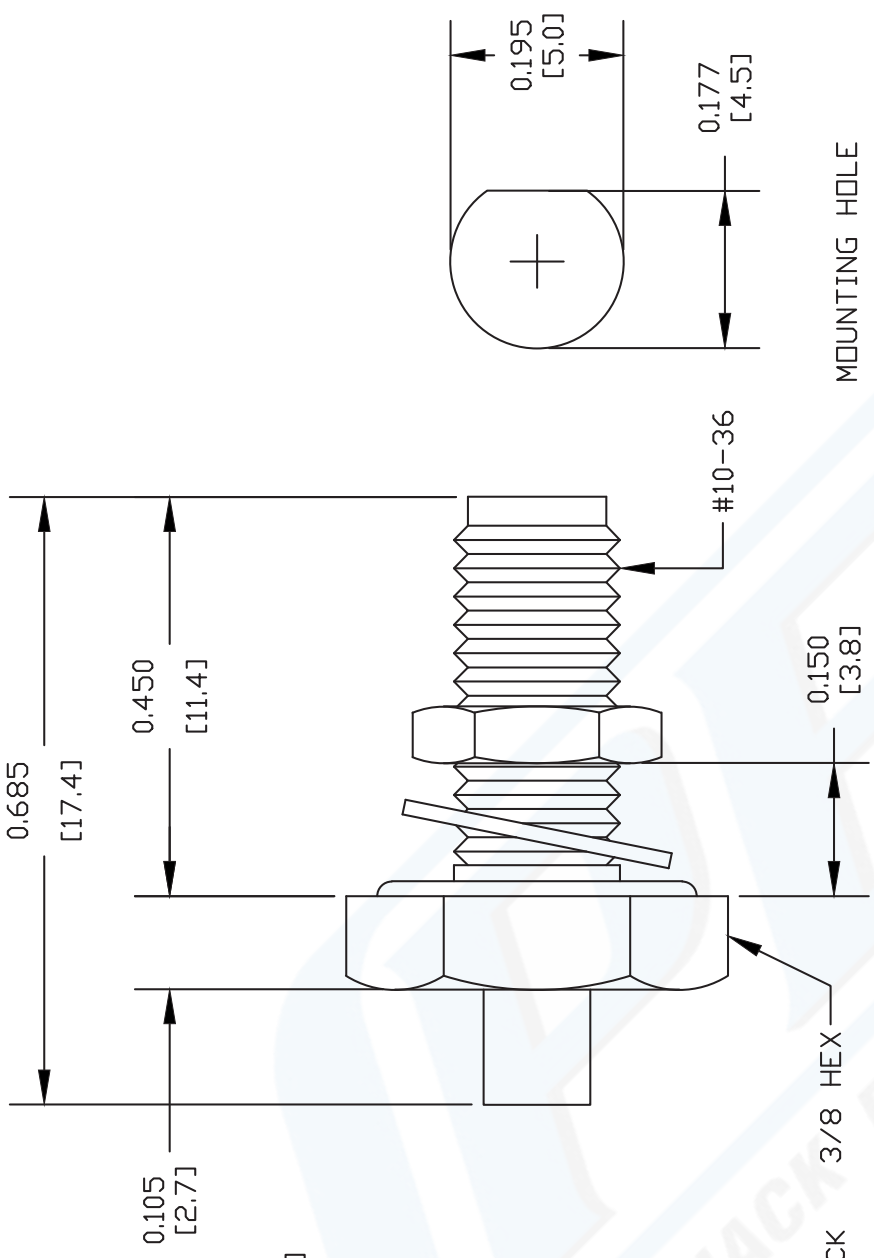
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Female Bulkhead Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole PE44390](http://www.pasternack.com/ssma-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44390-p.aspx)

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PE44390 CAD Drawing

SSMA Female Bulkhead Connector Solder Attachment For
PE-SR405AL, PE-SR405FL, RG405, .177 inch D Hole



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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DWG TITLE
PE44390

FSCM NO. 53919

- 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].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE 101403

SCALE N/A

SIZE A

127



SMP Male Limited Detent Connector Solder Attachment 2 Hole
Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ

RF Connectors
Technical Data Sheet

PE45127

Configuration

- Limited Detent SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG405, PE-SR405FL, PE-SR405FLJ
- 2 Hole Flange

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30μ in. minimum contact plating
- Blind Mate Connector

Applications

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

Description

Pasternack's PE45127 SMP male limited detent 2 hole flange mount connector with solder/solder attachment for RG405, PE-SR405FL and PE-SR405FLJ is part of our full line of RF components available for same-day shipping. Our SMP male connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.3:1. 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 SMP 2 hole flange 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 SMP male 2 hole flange connector PE45127 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	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

Length	0.386 in [9.8 mm]
Width/Dia.	0.189 in [4.80 mm]
Height	0.492 in [12.5 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: [SMP Male Limited Detent Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ PE45127](#)



SMP Male Limited Detent Connector Solder Attachment 2 Hole
Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ

RF Connectors
Technical Data Sheet

PE45127

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Gold 3μ in. minimum

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

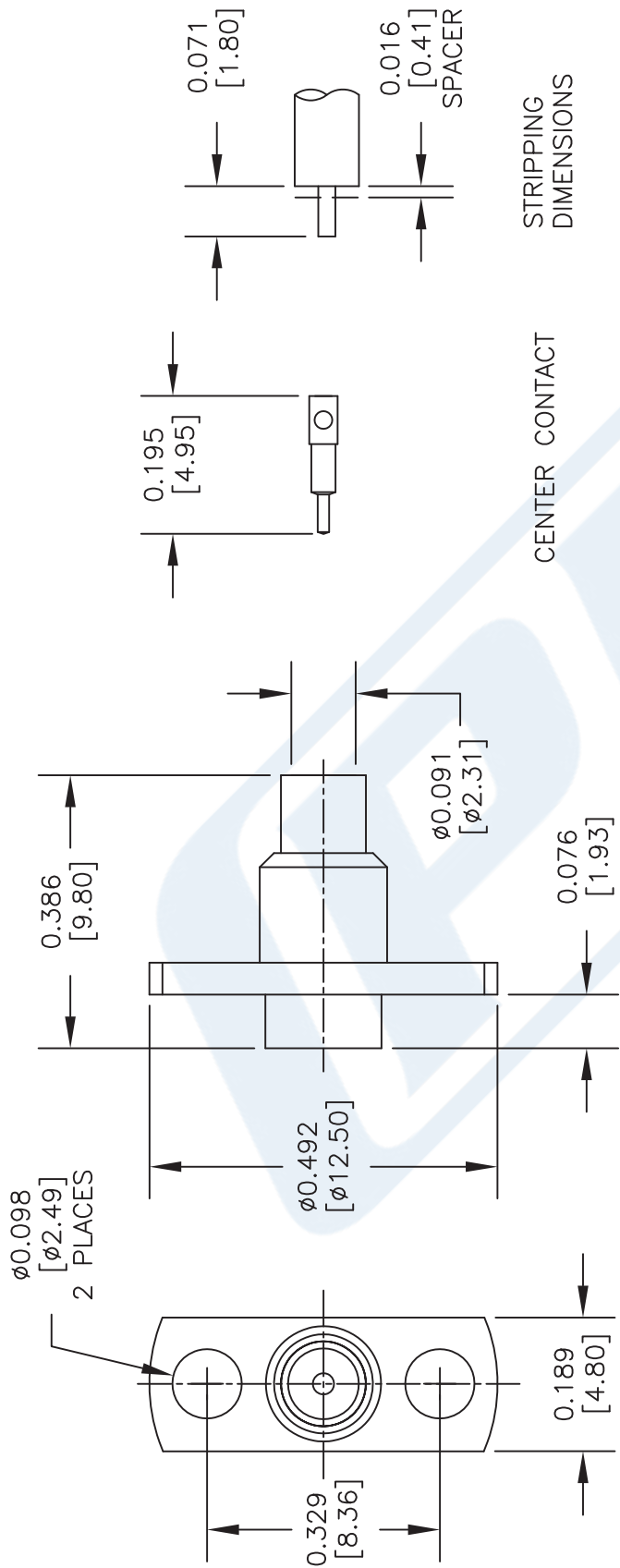
SMP Male Limited Detent Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest 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: [SMP Male Limited Detent Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ PE45127](#)

URL: <https://www.pasternack.com/smp-male-limited-detent-rg405-pe-sr405fl-pe-sr405flj-connector-pe45127-p.aspx>

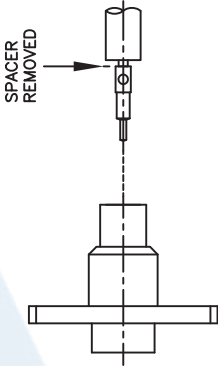
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SMP Male Limited Detent Connector Solder Attachment 2 Hole
Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ



ASSEMBLY PROCEDURES

1. STRIP THE CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR.
2. INSERT THE CENTER CONDUCTOR FULLY INTO THE CONTACT USING THE SPACER AND SOLDER. REMOVE THE SPACER AND ANY EXCESS SOLDER.
3. PUSH THE CONTACT INTO THE BODY UNTIL IT SEATS.
4. SOLDER THE OUTER CONDUCTOR TO THE BODY.



DWG TITLE

PE45127

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FSCM NO. 53919

CAD FILE 021115

SCALE N/A

SIZE A

200

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

Configuration

- Semi-Rigid Cable
- 1 Shield(s)

Features

- Tinned Aluminum Outer Conductor
- Max Frequency 40 GHz

Applications

- Test and Measurement
- Communication Systems
- Wireless Systems
- Medical Equipment
- RADAR
- Low Loss Applications
- Field Installations

Description

Semi-rigid coaxial cable provides the highest electrical performance including low loss and high RF shielding effectiveness, which is why it is the cable type of choice for many RF and microwave engineers. Pasternack's PE-SR405AL is a .086 semi-rigid coax cable constructed with silver plated copper clad steel inner conductor, solid PTFE dielectric and tinned aluminum outer conductor. This .086 semi-rigid cable has a maximum operating frequency of 40 GHz and is designed as a superior alternative to the standard RG-405 cable. Semi-rigid cable is used in a wide variety of applications including when higher operating frequency or precision performance is required. PE-SR405AL .086 semi-rigid coaxial cable datasheet specifications and outline drawing are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

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 Tinned Aluminum Outer Conductor PE-SR405AL](#)

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Max	23	81	131			dB/100ft
	75.46	265.75	429.79			dB/100m
Input Power (CW), Max	130	35	20			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.05 in [1.27 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.066 in [1.68 mm]
Outer Conductor	Tinned Aluminum	0.086 in [2.18 mm]

Environmental Specifications

Temperature

Operating Range -55 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: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

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

Plotted and Other Data

Notes:

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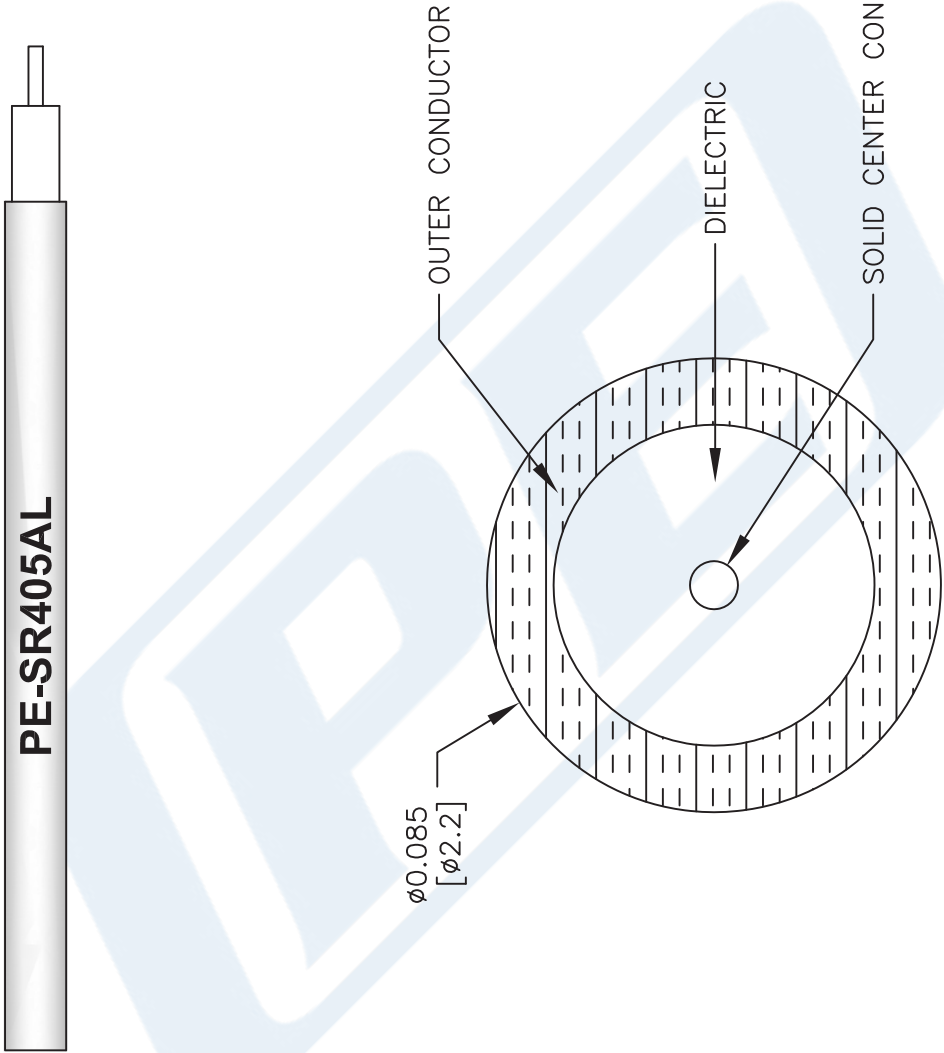
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URL: <https://www.pasternack.com/semirigid-0.085-50-ohm-coax-cable-tinned-aluminum-pe-sr405al-p.aspx>

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PE-SR405AL CAD Drawing

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



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DWG TITLE
PE-SR405AL

FSCM NO. 53919

SCALE N/A

SIZE A

41742

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