



SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45384

Configuration

- SSMC Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 10 GHz
- Good VSWR of 1.5:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Reliable threaded coupling
- Small SSMC connector form factor (50% smaller than SMA, radially)
- IEC 60169-20 SSMC connector interface
- In stock and ready to ship

Applications

- General Purpose Test
- Custom Cable Assemblies
- Avionics
- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

Description

Pasternack's PE45384 SSMC plug right angle 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 SSMC plug connector operates up to a maximum frequency of 10 GHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SSMC plug right angle connector PE45384 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		10	GHz
VSWR			1.5:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage 5 MHz			400	Vrms
Inner Conductor DC Resistance			4	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	1,000			MOhms
RF Leakage	-50			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45384](#)



SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45384

Mechanical Specifications

Size

Length	0.421 in [10.69 mm]
Width/Dia.	0.156 in [3.96 mm]
Height	0.322 in [8.18 mm]
Mating Cycles	500 Cycles
Mating Torque	1.75 to 2 in-lbs [0.20 to 0.23 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	Teflon	
Body	Brass	Gold MIL-G-45204
Coupling Nut	Beryllium Copper	Gold MIL-G-45204

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Shock	Method 213, Condition B, 75G @6ms @1/2 sine
Vibration	Method 204, Condition D (20G)
Salt Spray	Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45384](#)



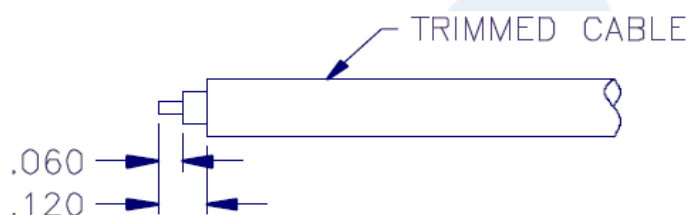
SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

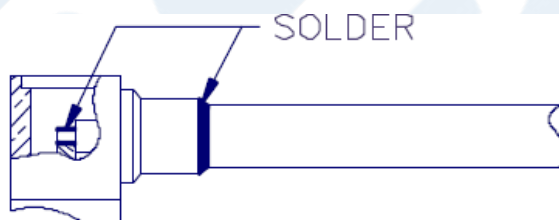
PE45384

Assembly Instruction

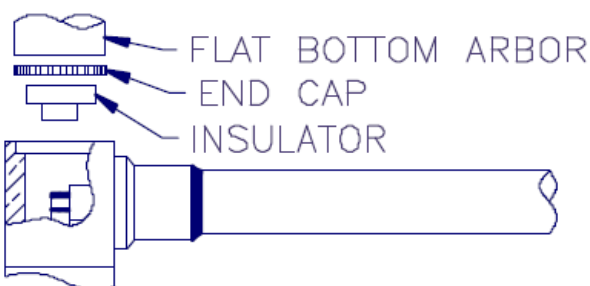
Assembly Instructions



1. TRIM CABLE AS SHOWN ABOVE.
2. INSERT CABLE INTO BODY. CABLE JACKET SHOULD BOTTOM ON STEP INSIDE BODY AND CENTER CONDUCTOR SHOULD LIE IN SLOT OF CONTACT. FIXTURE IN THIS POSITION.



3. SOLDER CENTER CONDUCTOR TO CONTACT.
4. SOLDER CABLE JACKET TO CONNECTOR BODY. DO NOT DISTURB JOINT UNTIL IT HAS COOLED. CLEAN FLUX RESIDUE.



5. PRESS INSULATOR AND END CAP INTO CONNECTOR BODY AND USE A FLAT BOTTOM ARBOR TO PRESS CAP IN PLACE. CAP MUST BE BELOW BODY SURFACE TO SEAT PROPERLY.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45384](#)



SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45384

SSMC Plug Right Angle 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.

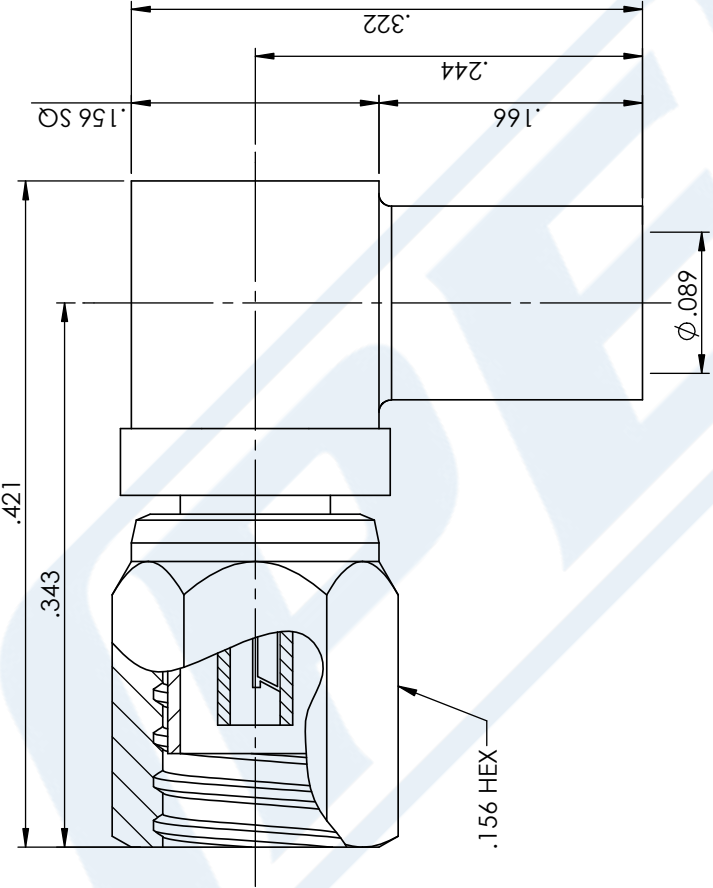
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45384](https://www.pasternack.com/ssmc-plug-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45384-p.aspx)

URL: <https://www.pasternack.com/ssmc-plug-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45384-p.aspx>

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PE45384 CAD Drawing

SSMC Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE45384

CAGE CODE 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].

CAD FILE 052217

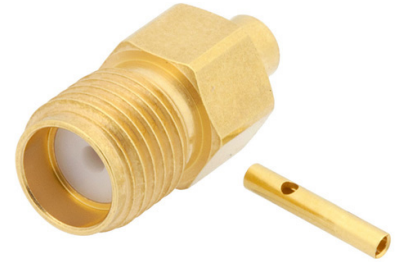
SCALE N/A

SIZE A

GF0006

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

PE4116



Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Solder/Solder Method
- Connector Interface Types: PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405

Features

- Max. Operating Frequency 18 GHz
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4116 , SMA, Standard, Connector 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.

Our SMA female connector PE4116 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
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

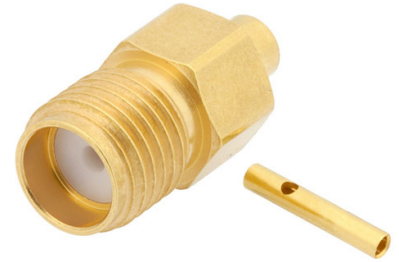
Mechanical Specifications

Size

Length	0.55 in [13.97 mm]
Width	0.25 in [6.35 mm]
Height	0 in [0 mm]
Weight	0.006 lbs [2.72 g]

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

PE4116



Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Outer Conductor	Stainless Steel	Gold
Body	Stainless Steel	Gold MIL-G-45204

Environmental Specifications

Temperature Operating Range	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Female Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, 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.

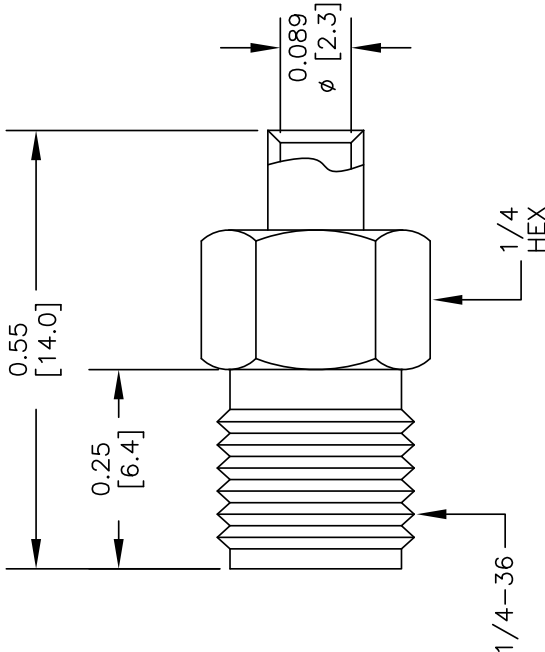
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 PE4116](#)

URL: <https://www.pasternack.com/sma-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe4116-p.aspx>

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PE4116 CAD Drawing

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



SMA
FEMALE

Technical drawing of a stepped cylinder. The drawing shows a side view of a cylinder with a larger base and a smaller top section. The diameter of the base is indicated by a dimension line with arrows and the value 0.11. The diameter of the top section is indicated by a dimension line with arrows and the value [2.8].

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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

DWG TITLE

PE4116

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.

FSCM NO. 53919

122613

E N/A

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

RF Cables Technical Data Sheet

PE-SR405FL

Configuration

- Formable Cable
- 1 Shield(s)

Features

- 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

Description

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Inner Conductor DC Resistance			65.7	Ohms/1000ft
Outer Conductor DC Resistance			10.2	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	15	22.5	54.9	81.2	120	dB/100ft
	49.21	73.82	180.12	266.4	393.7	dB/100m

Mechanical Specifications

Min. Bend Radius (Repeated) 0.78 in [19.81 mm]

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

RF Cables Technical Data Sheet

PE-SR405FL

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	0.062 in [1.57 mm]
Outer Conductor	Copper, Tin	0.085 in [2.16 mm]

Environmental Specifications

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

Plotted and Other Data

Notes:

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

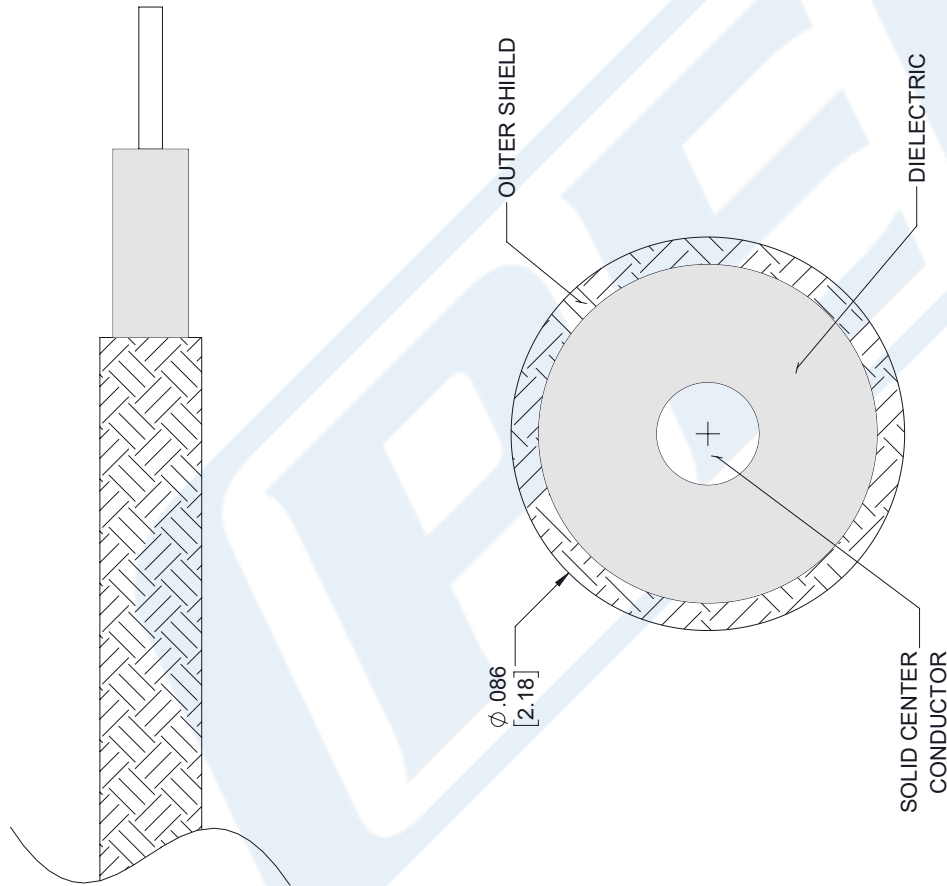
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR405FL](#)

URL: <https://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



STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE-SR405FL

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CAGE CODE 53919

CAD FILE 112117

SCALE N/A

SIZE A

7361