

MCX Plug Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



RF Connectors Technical Data Sheet

PE4876

Configuration

- MCX Plug Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry

- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.37:1

- Gold over Nickel Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4876 MCX plug connector with 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 MCX plug connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.37:1.

Our MCX plug connector PE4876 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		6	GHz
VSWR			1.37:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage at 4 and 7 MHz			670	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	10,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE4876](#)

MCX Plug Connector Solder Attachment for PE-SR405AL,
 PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405


RF Connectors Technical Data Sheet

PE4876

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1					GHz
Insertion Loss, Max	0.1					dB

Electrical Specification Notes:
 RF leakage: 55 dB at 2.5 GHz.

Mechanical Specifications
Size

Length
 Width/Dia.

0.445 in [11.3 mm]
 0.196 in [4.98 mm]

Weight

0.003 lbs [1.36 g]

Mating Cycles

500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel 30 μ in minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 10 μ in minimum

Environmental Specifications
Temperature

Operating Range
 Humidity
 Shock
 Vibration
 Thermal Shock
 Salt Spray

-65 to +165 deg C
 MIL-STD-202, Method 106
 MIL-STD-202, Method 213, Condition B
 MIL-STD-202, Method 204, Condition B
 MIL-STD-202, Method 107, Condition F
 MIL-STD-202, Method 101, Condition B

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MCX Plug Connector Solder Attachment for PE-SR405AL,
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



RF Connectors Technical Data Sheet

PE4876

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

Plotted and Other Data

Notes:

MCX Plug 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.

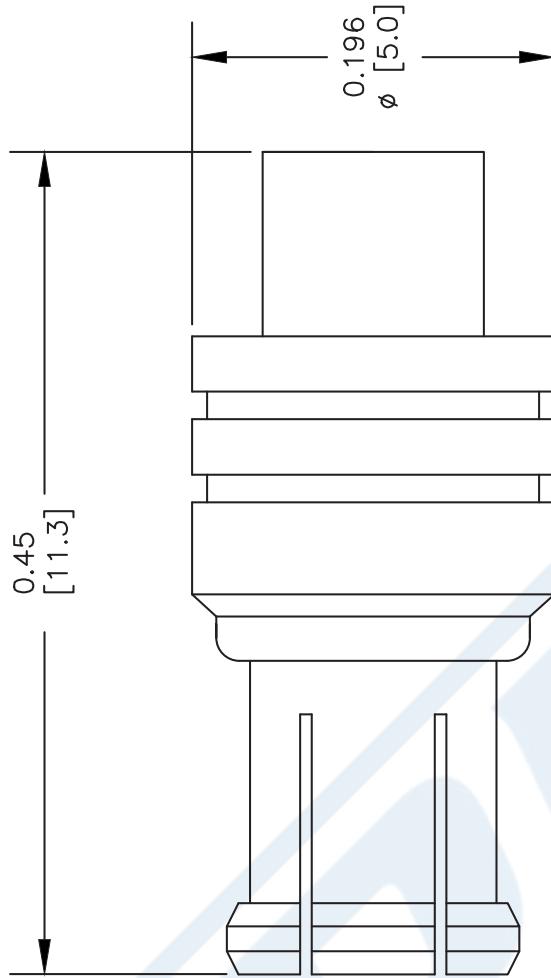
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE4876](#)

URL: <https://www.pasternack.com/mcx-plug-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe4876-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE4876 CAD Drawing

MCX Plug Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



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.

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.

PASTERNAK®	DWG TITLE
PASTERNAK®	PE4876
PASTERNAK®	FSCM NO.
PASTERNAK®	53919

Pasternak Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternak.com | E-Mail: sales@pasternak.com



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

RF Connectors Technical Data Sheet

PE45127

Configuration

- SMP Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG405, PE-SR405FL, PE-SR405FLJ Interface Type
- Solder/Solder Attachment
- 2 Hole Flange

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
 Width/Dia.
 Height
 Weight

0.386 in [9.8 mm]
 0.189 in [4.80 mm]
 0.492 in [12.5 mm]
 0.006 lbs [2.72 g]

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

(visit www.Pasternack.com for current document)

RoHS Compliant
 REACH Compliant

12/17/2014

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: **SMP Male Push-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR-405FL, PE-SR405FLJ PE45127**



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

RF Connectors Technical Data Sheet

PE45127

Plotted and Other Data

Notes:

SMP Male Push-On 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% availability and are part of the broadest selection in the industry.

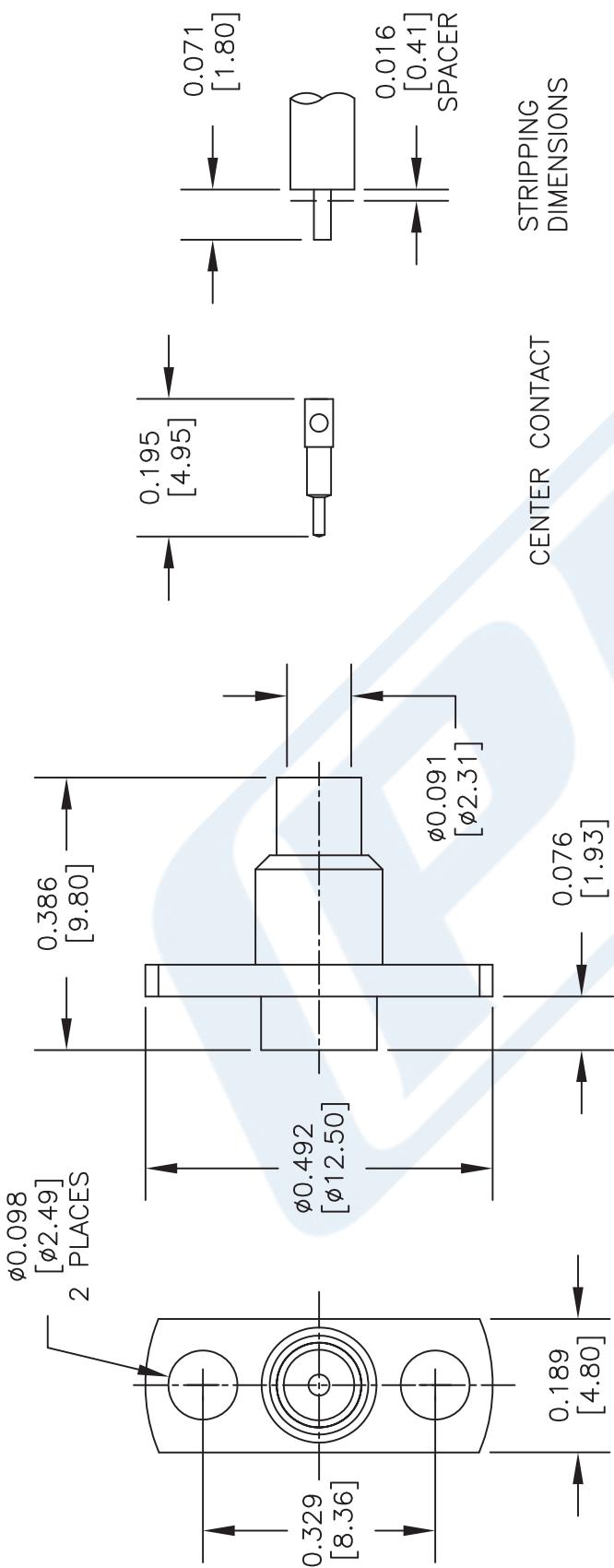
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Male Push-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ PE45127](#)

URL: <http://www.pasternack.com/smp-male-push-on-rg405-pe-sr405fl-pe-sr405flj-connector-pe45127-p.aspx>

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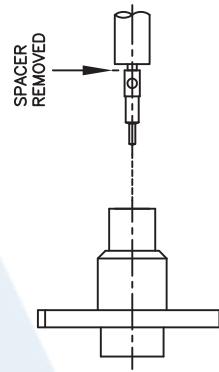
PE45127 CAD Drawing

SMP Male Push-On 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.



NOTES:
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DWG TITLE	PE45127	SCALE N/A	SIZE A	200
FSCM NO. 53919	CAD FILE 02115			

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 | E-Mail: sales@pasternack.com

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 49.21	22.5 73.82	54.9 180.12	81.2 266.4	120 393.7	dB/100ft 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.

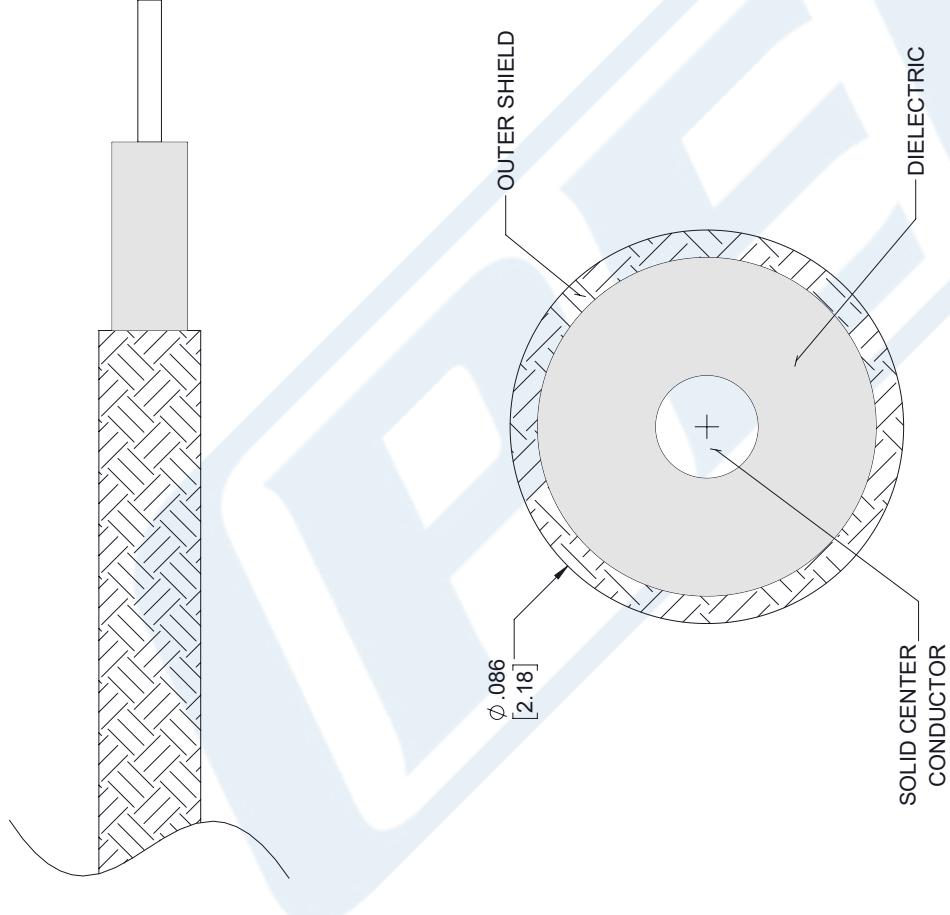
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 086 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR405FL](#)

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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CAGE CODE	53919	CAD FILE	112117	SCALE	N/A	SIZE	A
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