



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

RF Connectors Technical Data Sheet

PE44977

Configuration

- SMC Plug Connector
- 50 Ohms
- Straight 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 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact
- 1.3 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44977 SMC plug 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 SMC plug connector operates up to a maximum frequency of 10 GHz and offers good VSWR of 1.35:1.

Our SMC plug connector PE44977 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			1.35:1	
Insertion Loss			0.4	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	1,000			MOhms
RF Leakage	52			dB

Electrical Specification Notes:

Insertion loss = $0.125 \times \sqrt{f(\text{GHz})}$ dB max.

RF leakage = $62 - f(\text{GHz})$ dB min.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44977](#)



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Mechanical Specifications

Size	
Length	0.56 in [14.22 mm]
Width/Dia.	0.23 in [5.84 mm]
Weight	0.005 lbs [2.27 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 1.3 µm minimum
Insulation	PTFE	
Body	Brass	Gold over Nickel 0.2 µm minimum
Coupling Nut	Brass	Gold over Nickel 0.2 µm minimum

Environmental Specifications

Temperature	
Operating Range	-65 to +105 deg C

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

Plotted and Other Data

Notes:

SMC 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.

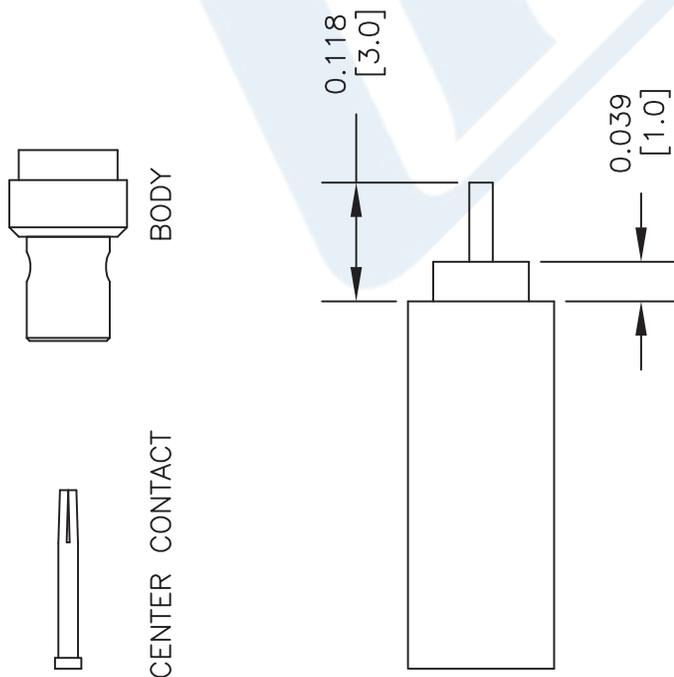
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URL: <https://www.pasternack.com/smc-plug-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44977-p.aspx>

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.

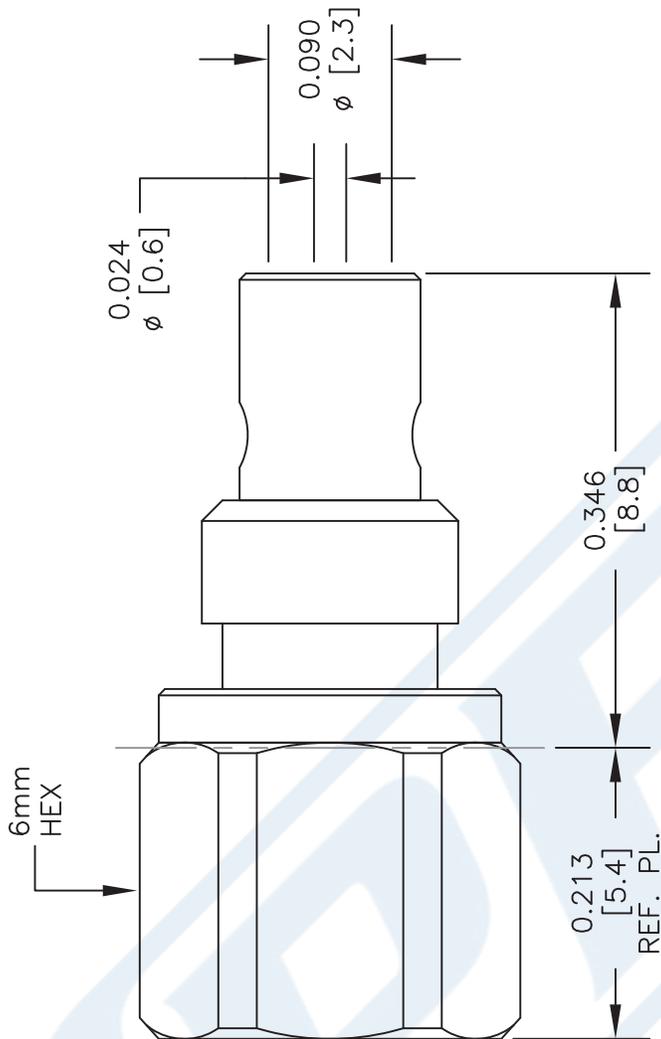
PE44977 CAD Drawing

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



STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP OFF THE OUTER CONDUCTOR AND THE DIELECTRIC. SOLDER THE CONTACT.
2. PUT THE ASSEMBLY INTO THE BODY. SOLDER THE BODY ON THE SEMI-RIGID CABLE.



DWG TITLE

PE44977

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

CAD FILE 030314

SCALE N/A

SIZE A

2233



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