



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

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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.

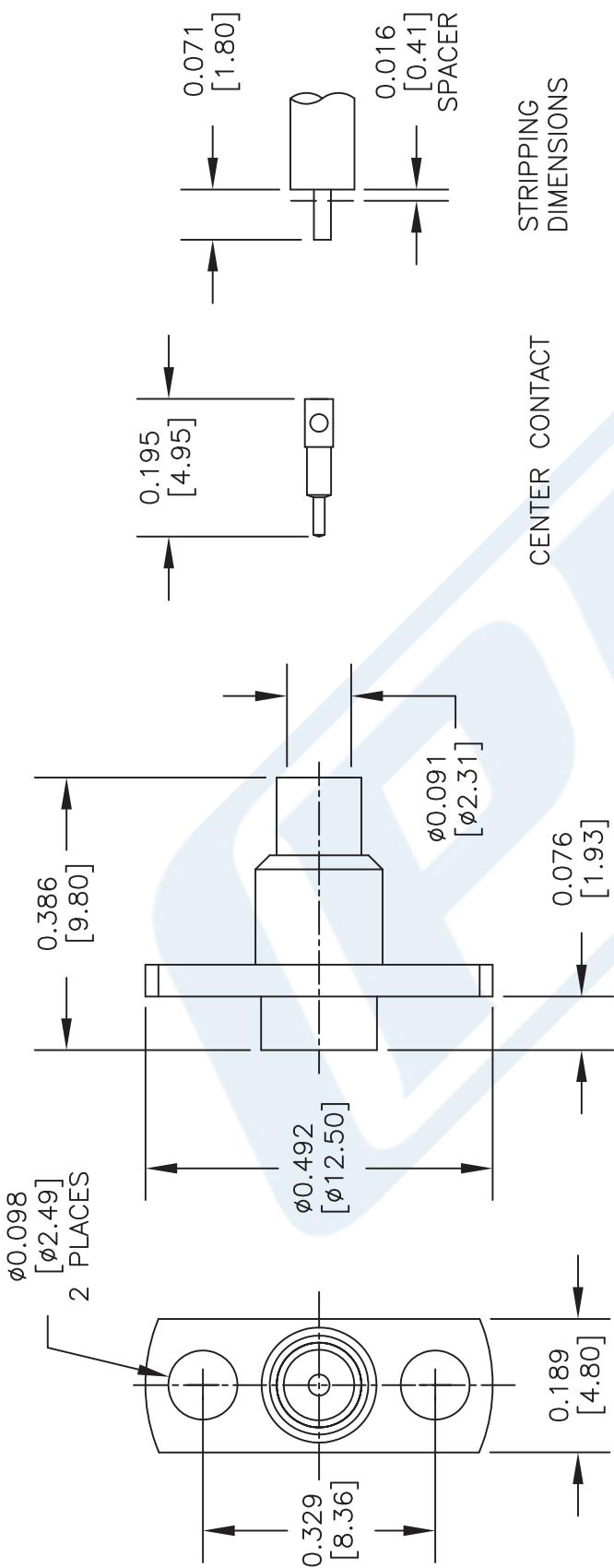
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URL: <http://www.pasternack.com/smp-male-push-on-rg405-pe-sr405fl-pe-sr405flj-connector-pe45127-p.aspx>

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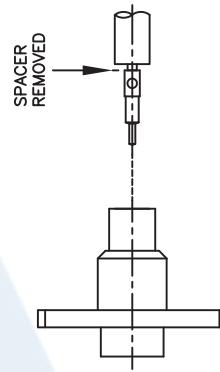
PE45127 CAD Drawing

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.



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THE ENGINEER'S RF SOURCE
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DWG TITLE	PE45127
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].



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

RF Connectors Technical Data Sheet

PE45480

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG405, RG405 Tinned, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN

Features

- Max. Operating Frequency 26.5 GHz
- Excellent VSWR of 1.14:1

- Gold Plated Beryllium Copper Contact
- Contact plating according to ASTM-B488

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45480 SMA male connector with solder attachment for RG405, RG405 Tinned, PE-SR405AL, PE-SR405FL, PE-SR405FLJ and PE-SR405TN 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 26.5 GHz and offers excellent VSWR of 1.14:1.

Our SMA male connector PE45480 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		26.5	GHz
VSWR			1.14:1	
Dielectric Withstanding Voltage (AC)			1,000	Vrms
High Potential Voltage			670	Vrms
Corona Discharge			250	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage	-90			dB

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 RG405, RG405 Tinned, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN PE45480](#)



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

RF Connectors Technical Data Sheet

PE45480

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 26.5				GHz
VSWR, Max	1.11:1	1.14:1				

Electrical Specification Notes:
Insertion Loss = $0.04 * \text{SQRT}(F_{\text{ghz}})$ dB

Mechanical Specifications

Mating Cycles	500 Cycles
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold ASTM-B488
Insulation	PTFE	
Body	Beryllium Copper	Gold ASTM-B488
Coupling Nut	Steel	
Gasket	Silicone Rubber	

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

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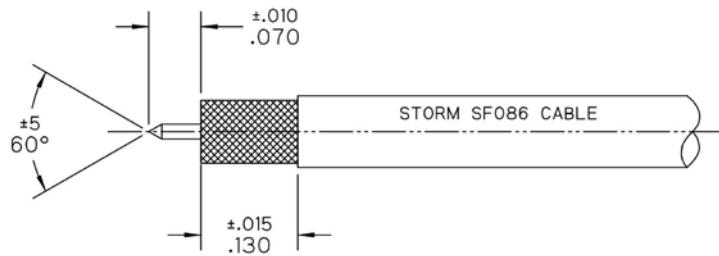


SMA Male Connector Solder Attachment for
RG405, RG405 Tinned, PE-SR405AL, PE-
SR405FL, PE-SR405FLJ, PE-SR405TN

RF Connectors
Technical Data Sheet

PE45480

Assembly Instruction

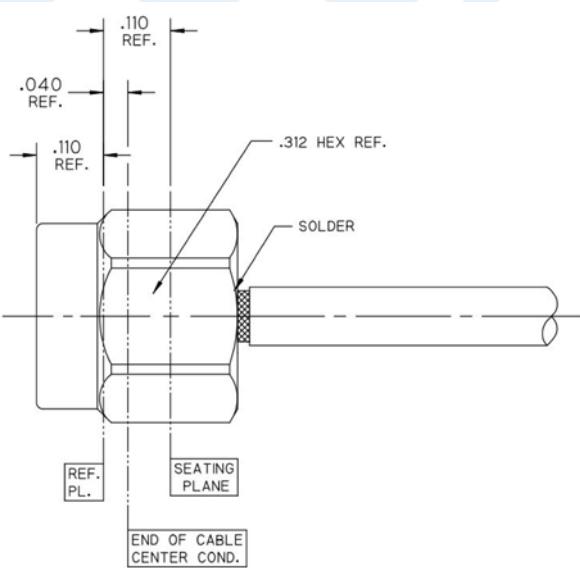


STEP 1:

- TRIM CABLE TO EXPOSE CENTER CONDUCTOR AND BRAID AS SHOWN.

STEP 2:

- INSERT CABLE INTO CONNECTOR UNTIL CENTER CONDUCTOR PLUGS IN AND CABLE FULLY SEATS IN CONNECTOR BORE.
- SOLDER BRAID TO BODY WHERE SHOWN APPLYING HEAT TO SHORT BODY TAIL SHOULDER INSIDE COUPLING NUT.



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

RF Connectors Technical Data Sheet

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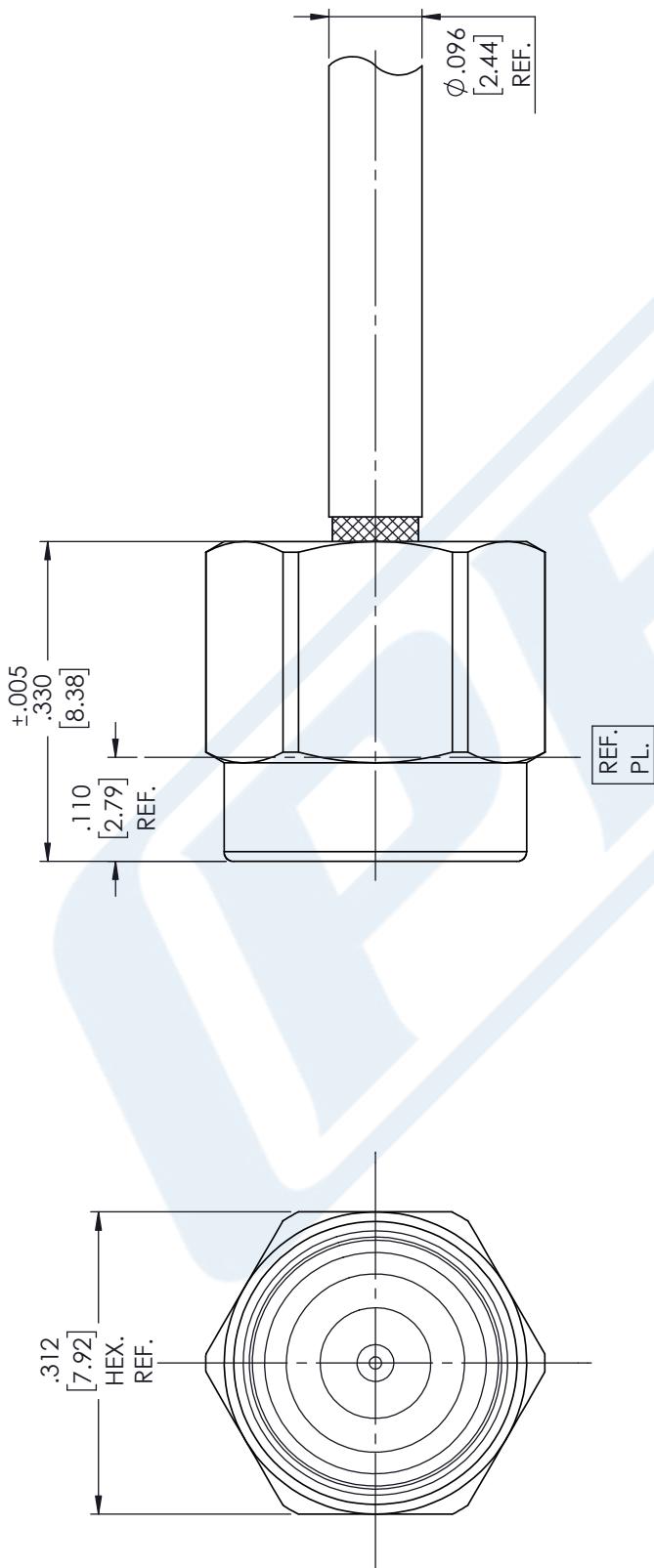
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PE45480 CAD Drawing

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



NOTES: DISTANCE FROM END OF CABLE
ONLY TO DIMENSIONS IN INCHES
CENTER COND. TO REF. PL. IS .040

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

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CN2379

CAD FILE 07/26/18

SIZE A	SCALE N/A	SIZE A
CN2379	CAD FILE 07/26/18	SIZE A

086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

086 Semi-rigid Coax Cable with Copper Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	5,000

Electrical Specifications by Frequency

Frequency 1	
Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	22 [72.18]
Power Handling, Watts	130

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	80 [262.47]
Power Handling, Watts	35

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	120 [393.7]
Power Handling, Watts	20

Mechanical Specifications

Temperature	
Operating Range, deg C	-55 to +125

Inner Conductor

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

Dielectric:

Type	PTFE
Diameter, in [mm]	0.066 [1.68]

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 Copper Outer Conductor RG405/U](#)

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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.087 [2.21]

Jacket:

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.015 [0.02]

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

RoHS Compliant	Yes
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Plotted and Other Data

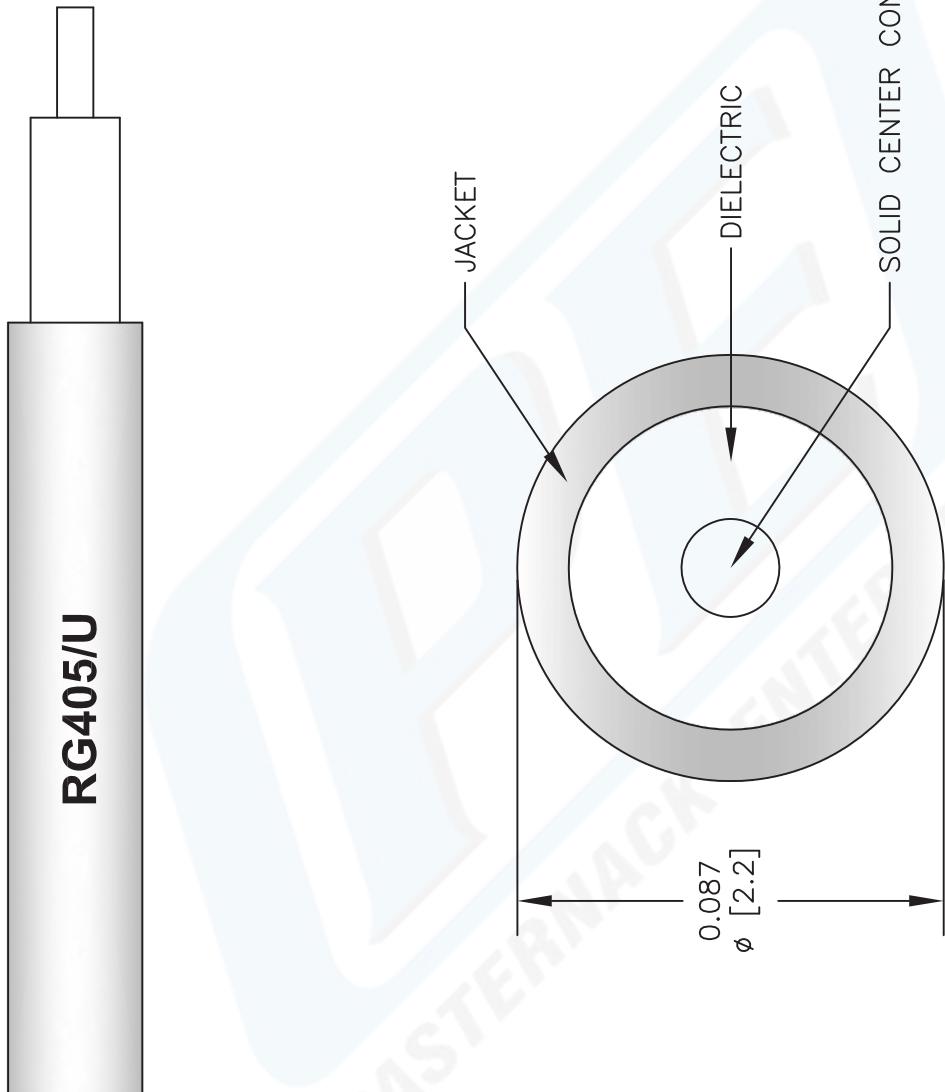
Notes:	Values at 25 °C, sea level
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