



SSMC Jack Bulkhead Mount Connector Clamp/
Solder Attachment for PE-SR405AL, PE-SR405FL,
PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45370

Configuration

- SSMC Jack Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.38:1
- 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
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Avionics
- A/D Modules
- Data Acquisition
- Software defined radio (SDR)
- RADAR/SONAR
- Ultra Wideband Digital Receivers
- Medical equipment

Description

Pasternack's PE45370 SSMC jack bulkhead connector with clamp/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 jack connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.38:1. This SSMC bulkhead 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 SSMC jack bulkhead connector PE45370 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		12.4	GHz
VSWR			1.38:1	
Insertion Loss			0.3	dB
Operating Voltage (AC)			250	Vrms
High Potential Voltage 5 MHz			400	Vrms
Inner Conductor DC Resistance			4	mOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45370](#)



SSMC Jack Bulkhead Mount Connector Clamp/ Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45370

Outer Conductor DC Resistance	1	mOhms
Insulation Resistance	1,000	MOhms
RF Leakage	-50	dB

Mechanical Specifications

Size

Length

0.55 in [13.97 mm]

Width/Dia.

0.156 in [3.96 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	
Outer Conductor	Beryllium Copper	Gold MIL-G-45204
Body	Beryllium Copper	Gold MIL-G-45204
Washer	Phosphor Bronze	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 Jack Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR-405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45370](#)



SSMC Jack Bulkhead Mount Connector Clamp/
Solder Attachment for PE-SR405AL, PE-SR405FL,
PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

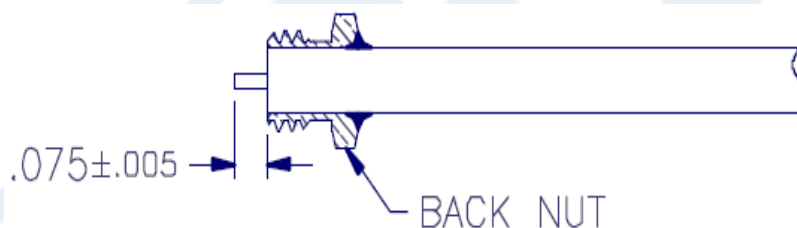
PE45370

Assembly Instruction

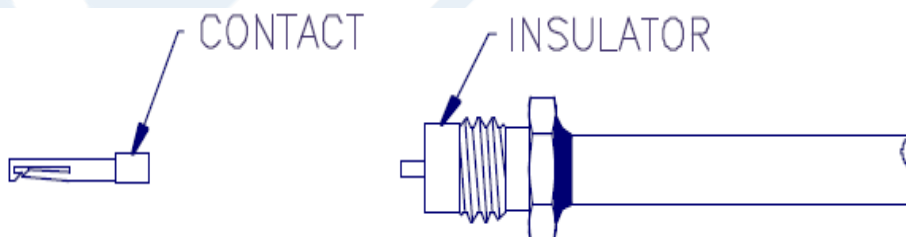
Assembly Instructions



1. TRIM CABLE JACKET ONLY, AS SHOWN ABOVE.



2. SLIDE BACK NUT ONTO CABLE UNTIL TRIMMED END OF JACKET IS FLUSH WITH FRONT OF NUT. SOLDER NUT TO CABLE.
3. TRIM DIELECTRIC AS SHOWN.



4. INSTALL INSULATOR OVER CABLE CENTER CONDUCTOR.
5. SOLDER CONTACT TO CENTER CONDUCTOR.
6. INSERT CABLE ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN TO 35-45 INCH-OUNCES TORQUE.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR-405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45370](#)



SSMC Jack Bulkhead Mount Connector Clamp/
Solder Attachment for PE-SR405AL, PE-SR405FL,
PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE45370

SSMC Jack Bulkhead Mount Connector Clamp/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.

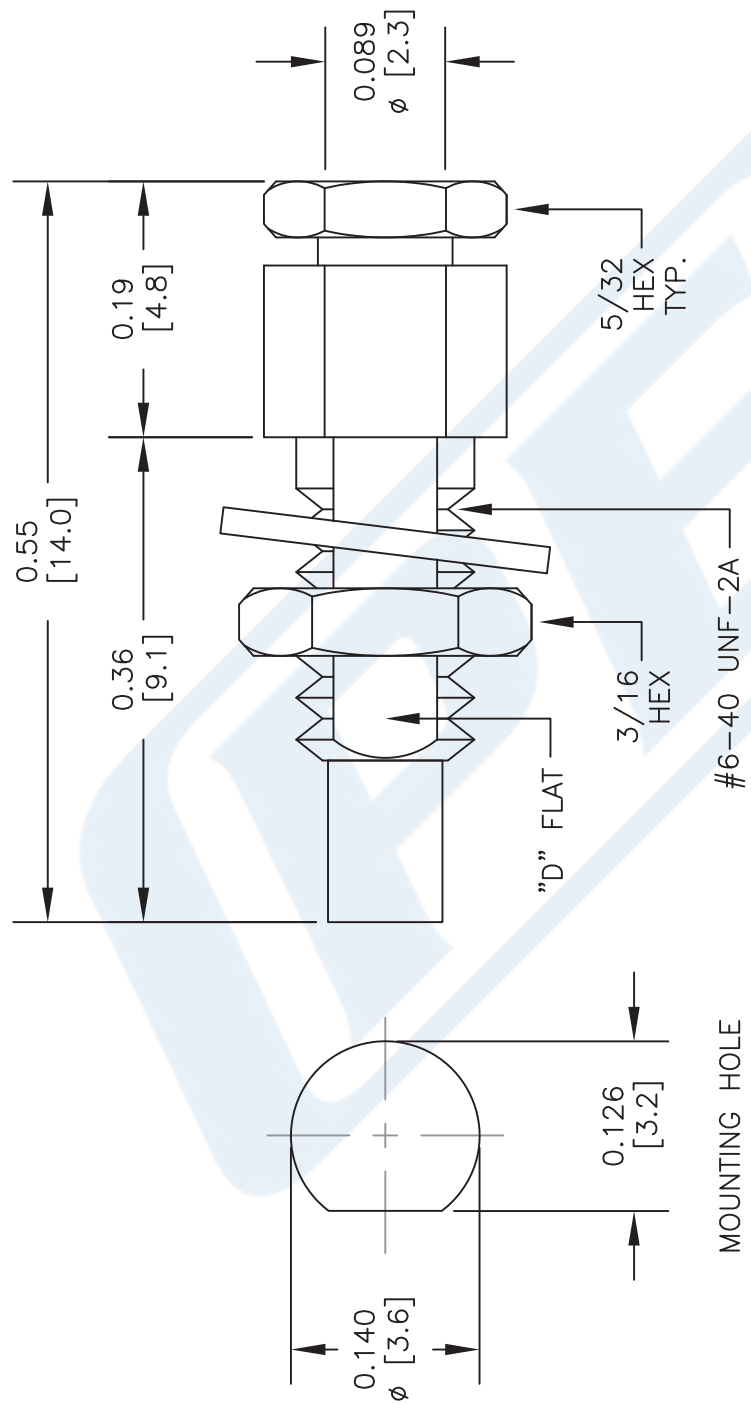
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMC Jack Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE45370](https://www.pasternack.com/ssmc-jack-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45370-p.aspx)

URL: <https://www.pasternack.com/ssmc-jack-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe45370-p.aspx>

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PE45370 CAD Drawing

SSMC Jack Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



STANDARD TOLERANCES
.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK® 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		DWG TITLE PE45370		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].	
CAGE CODE 53919		CAD FILE 060917	SCALE N/A	SIZE A	2233



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:

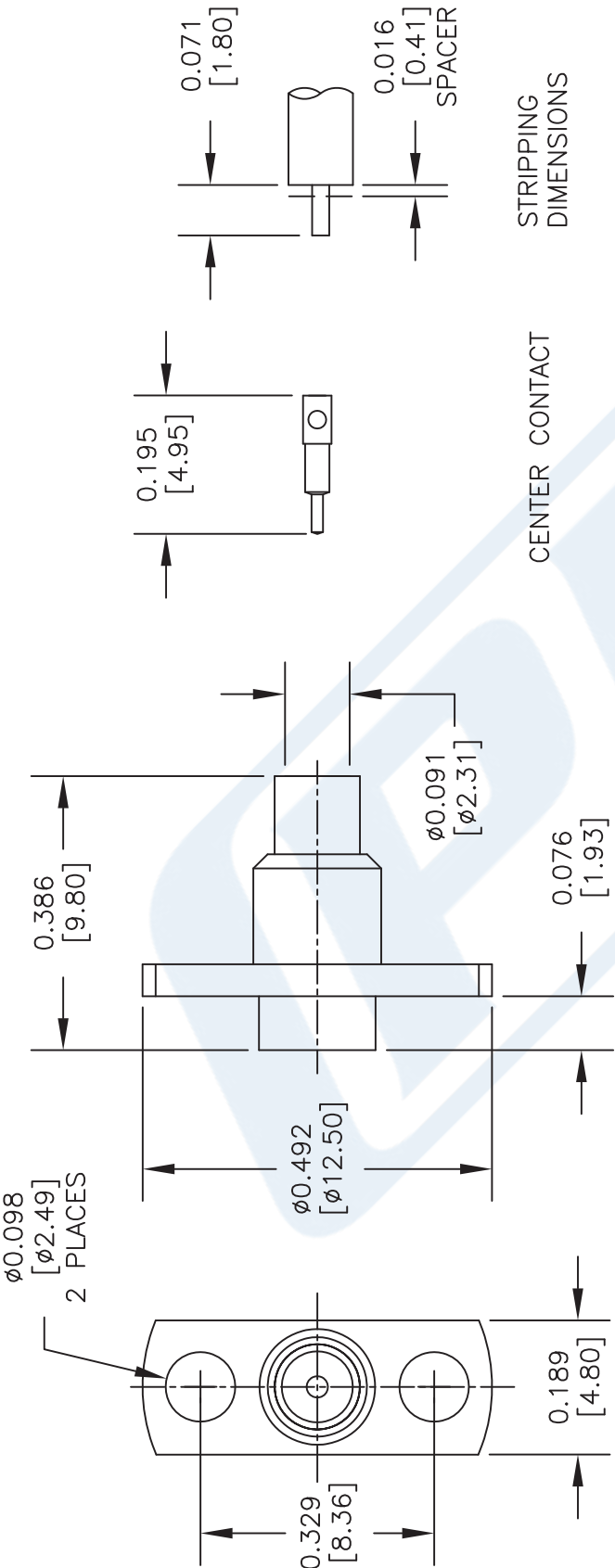
SMP Male Limited Detent Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405FL, PE-SR405FLJ from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest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

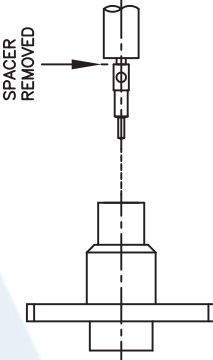


CENTER CONTACT

STRIPPING DIMENSIONS

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

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FSCM NO. 53919

CAD FILE 021115

SCALE N/A

SIZE A

200

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

RF Cables Technical Data Sheet

PE-SR405TN

Configuration

- Semi-Rigid Cable
- MIL-C-17
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	22	80	120			dB/100ft
	72.18	262.47	393.7			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 Strand	0.02 in 0.51 mm
Conductor Type	Solid	
Dielectric	PTFE	0.066 in [1.68 mm]
First Shield	Tinned Copper	0.087 in 2.21 mm

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN](#)

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

RF Cables Technical Data Sheet

PE-SR405TN

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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

Plotted and Other Data

Notes:

RG405 Tinned Coax Cable with Tinned Copper 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.

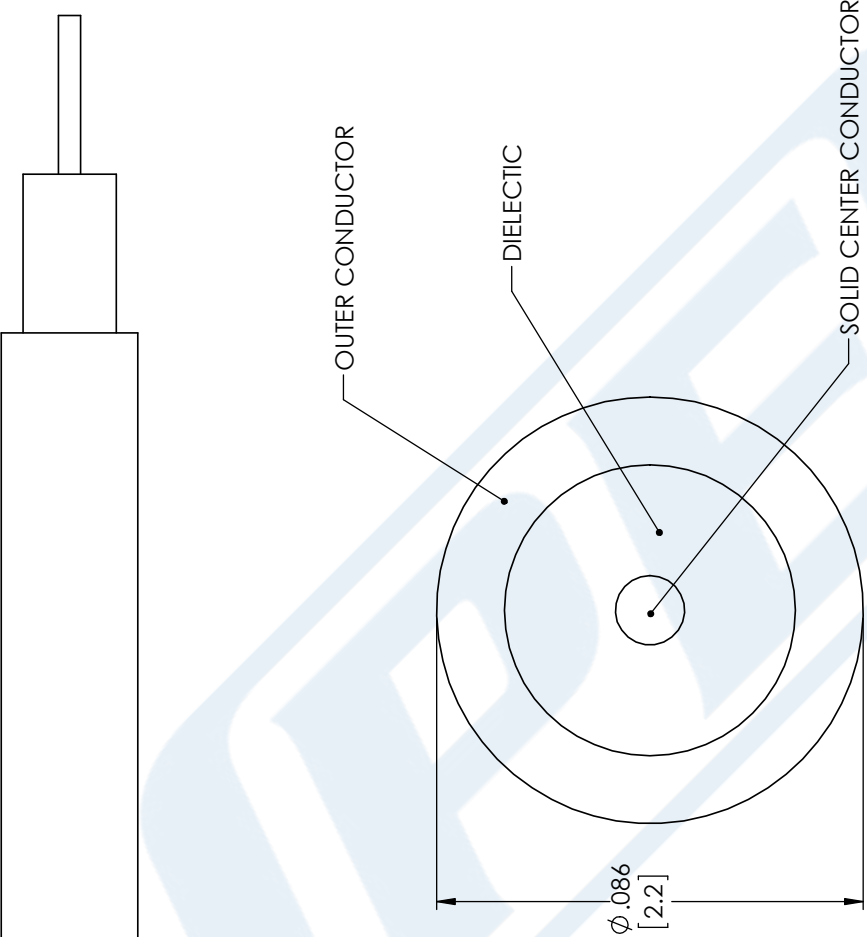
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN](#)

URL: <https://www.pasternack.com/50-ohm-semi-rigid-rg405-tinned-tinned-copper-pe-sr405tn-p.aspx>

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PE-SR405TN CAD Drawing

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

[PE]

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DWG TITLE	PE-SR405TN
CAGE CODE	53919

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