

1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact



RF Connectors Technical Data Sheet

PE44336

Configuration

- 1.85mm Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact
- SR405TN, RG405 Interface Type
- Solder Attachment
- 1/4 inch Hex

Features

- Max. Operating Frequency 60 GHz
- Good VSWR of 1.33:1
- Gold over Nickel Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44336 1.85mm male 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 1.85mm male connector operates up to a maximum frequency of 60 GHz and offers good VSWR of 1.33:1.

Our 1.85mm male connector PE44336 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		60	GHz
VSWR			1.33:1	
Insertion Loss			0.39	dB

Electrical Specification Notes:

Insert loss: $0.05 \times \sqrt{f\text{GHz}}$ dB.

Mechanical Specifications

Size

Length	0.531 in [13.49 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.007 lbs [3.18 g]
Mating Cycles	500 Cycles
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact PE44336](#)

1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact



RF Connectors Technical Data Sheet

PE44336

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204
Body	Stainless Steel	Gold over Nickel MIL-G-45204
Coupling Nut	Passivated Stainless Steel	ASTM-A380

Environmental Specifications

Temperature

Operating Range

Vibration

Salt Spray

-55 to +100 deg C

MIL-STD-202, Method 204, Condition D (20 G's)

MIL-STD-202, Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

Notes:

Assembly Instruction

1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact 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: [1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact PE44336](#)

URL: <https://www.pasternack.com/1.85mm-male-pe-sr405al-pe-sr405fl-rg405-connector-pe44336-p.aspx>

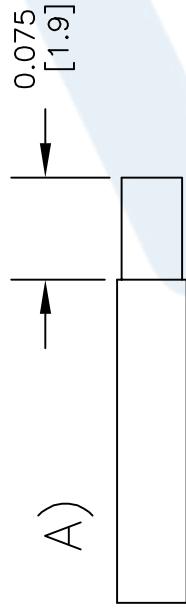
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE44336 CAD Drawing

1.85mm Male Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, Direct Solder without Center Contact

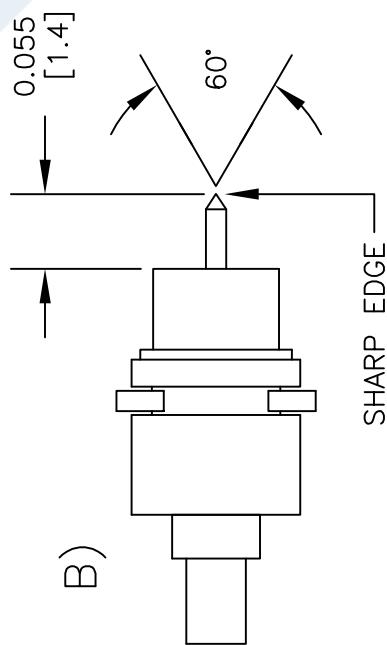
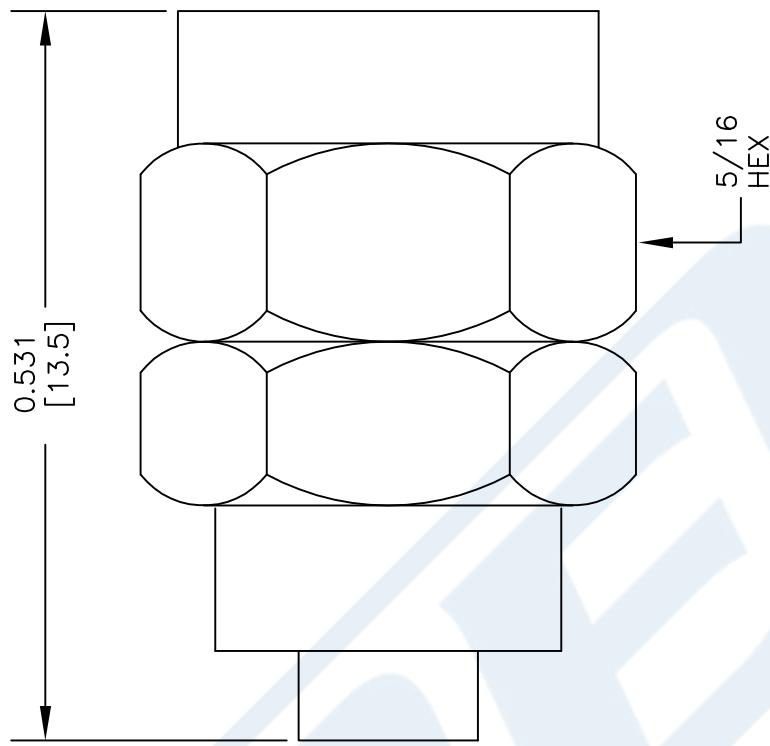
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A).



2. SLIDE BODY OVER CABLE UNTIL IT STOPS. SOLDER BODY ONTO CABLE.

3. STRIP CABLE AS SHOWN IN ASSEMBLY (B) THEN INSTALL COUPLING NUT, FORM POINT ON COAX CENTER CONDUCTOR AS SHOWN.



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

DWG TITLE	PE44336
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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

SCALE N/A SIZE A 150

SMA Female Bulkhead Mount Connector Crimp/ Solder Attachment for RG58, RG303, LMR-195



RF Connectors Technical Data Sheet

PE45197

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG58, RG303, LMR-195
- Bulkhead

Features

- Max. Operating Frequency 12 GHz
- Good VSWR of 1.3:1

- Gold over Nickel over Copper Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE45197, 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 12 GHz and offers good VSWR of 1.3:1. This SMA 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 SMA female bulkhead connector PE45197 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	GHz
VSWR			1.3:1	
Impedance		50		Ohms

Mechanical Specifications

Size	
Length	0.74 in [18.80 mm]
Width	0.32 in [8.00 mm]
Height	0.00 in [0.00 mm]
Weight	0.02 lbs [7.26 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, LMR-195 PE45197](#)



SMA Female Bulkhead Mount Connector Crimp/ Solder Attachment for RG58, RG303, LMR-195

RF Connectors Technical Data Sheet

PE45197

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Coupling Nut	Brass	Gold over Nickel over Copper
Crimp Sleeve	Brass	
Washer		Gold over Nickel over Copper

Environmental Specifications

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

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, LMR-195 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.

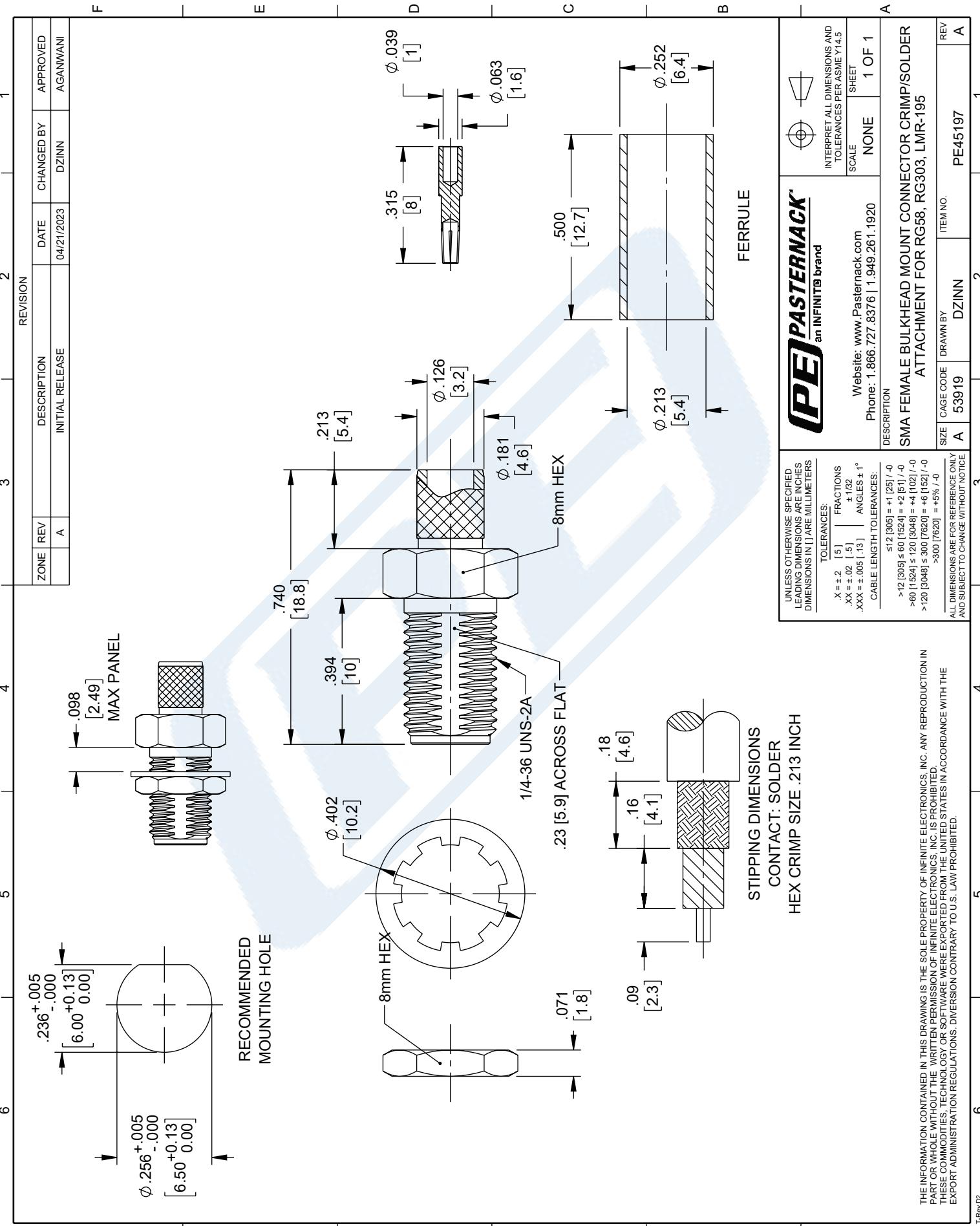
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG58, RG303, LMR-195 PE45197](#)

URL: <https://www.pasternack.com/sma-female-rg58-rg303-lmr-195-connector-pe45197-p.aspx>

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PE45197 CAD Drawing

SMA Female Bulkhead Mount Connector Crimp/Solder
Attachment for RG58, RG303, LMR-195



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

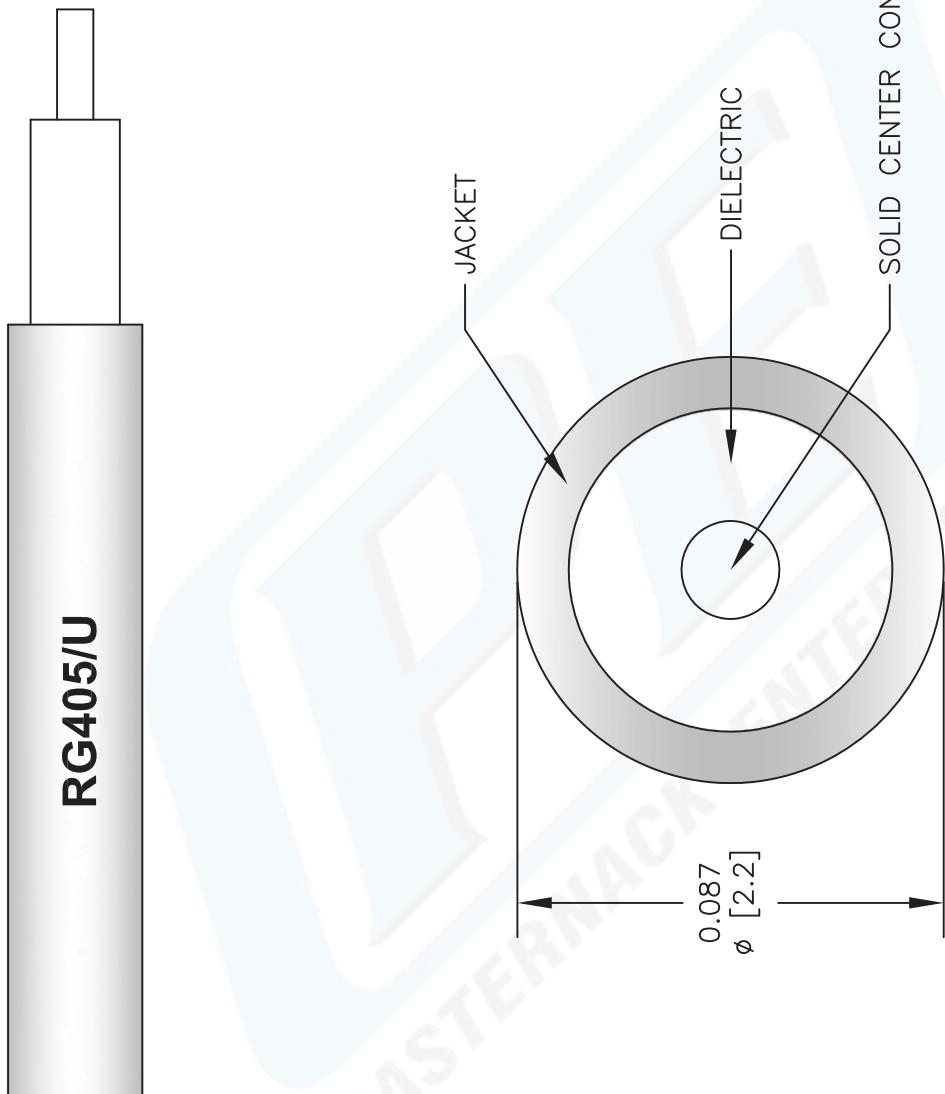
Notes:	Values at 25 °C, sea level
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086 Semi-rigid Coax Cable with Copper Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability 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: [086 Semi-rigid Coax Cable with Copper Outer Conductor RG405/U](http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx)

URL: <http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx>

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3. DIMENSIONS ARE IN INCHES [mm].			
PE PASTERNACK®	DWG TITLE RG405/U	FSCM NO. 53919	CAD FILE 022908 SCALE N/A SIZE A 2233
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			