



2.4mm Female Bulkhead Mount Connector Clamp/
 Solder Attachment for PE-SR405AL, PE-SR405FL, PE-
 SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole

RF Connectors Technical Data Sheet

PE44801

Configuration

- 2.4mm Female Connector
- IEEE-STD-P287
- 50 Ohms
- Straight Body Geometry

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

Features

- Max. Operating Frequency 50 GHz
- Good VSWR of 1.35:1

- Gold over Nickel Plated Beryllium Copper Contact
- 50 μ in minimum contact plating

Applications

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

Description

Pasternack's PE44801 2.4mm female bulkhead connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 (.252 inch D hole) is part of our full line of RF components available for same-day shipping. Our 2.4mm female connector operates up to a maximum frequency of 50 GHz and offers good VSWR of 1.35:1. This 2.4mm 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 2.4mm female bulkhead connector PE44801 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 | | 50 | GHz |
| VSWR | | | 1.35:1 | |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 0.965 in [24.51 mm] |
| Width/Dia. | 0.375 in [9.53 mm] |
| Weight | 0.017 lbs [7.71 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole PE44801](#)



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 SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole

RF Connectors Technical Data Sheet

PE44801

Material Specifications

| Description | Material | Plating |
|-------------|----------------------------|---|
| Contact | Beryllium Copper | Gold over Nickel 50 μ in minimum |
| Insulation | PEI | |
| Body | Passivated Stainless Steel | SAE-AMS-2700 |

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

Plotted and Other Data

Notes:

2.4mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole 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.

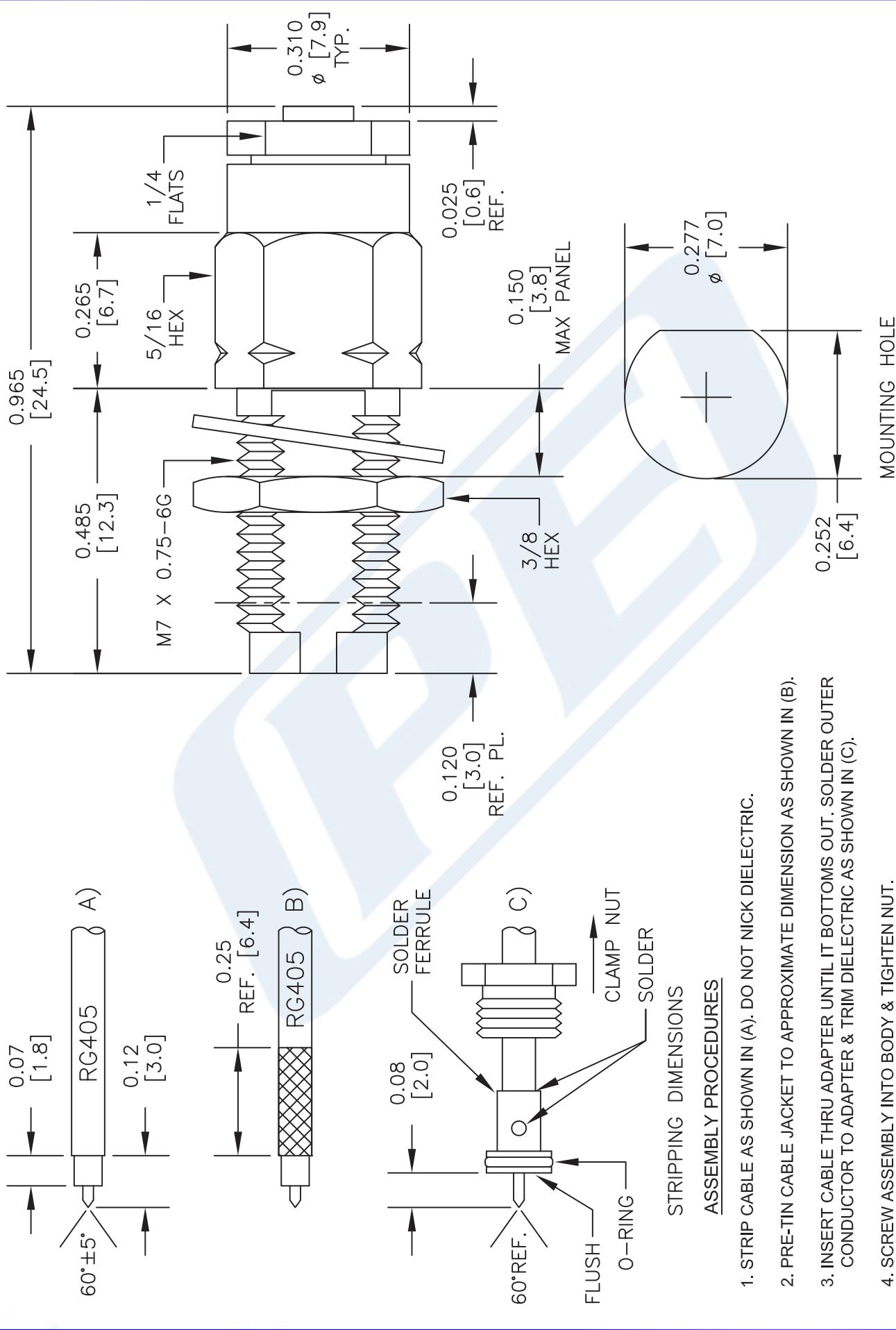
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URL: <https://www.pasternack.com/2.4mm-female-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-rg405-connector-pe44801-p.aspx>

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PE44801 CAD Drawing

2.4mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole



NOTES:
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 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.

DWG TITLE
PE44801

PE PASTERNACK®
 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

SIZE A
 2233



2.4mm Female Bulkhead Mount Connector Clamp/
 Solder Attachment for PE-SR405AL, PE-SR405FL, PE-
 SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole

RF Connectors Technical Data Sheet

PE44801

Configuration

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- 50 Ohms
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2.4mm Female Bulkhead Mount Connector Clamp/
 Solder Attachment for PE-SR405AL, PE-SR405FL, PE-
 SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole

RF Connectors Technical Data Sheet

PE44801

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| Insulation | PEI | |
| Body | Passivated Stainless Steel | SAE-AMS-2700 |

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

Plotted and Other Data

Notes:

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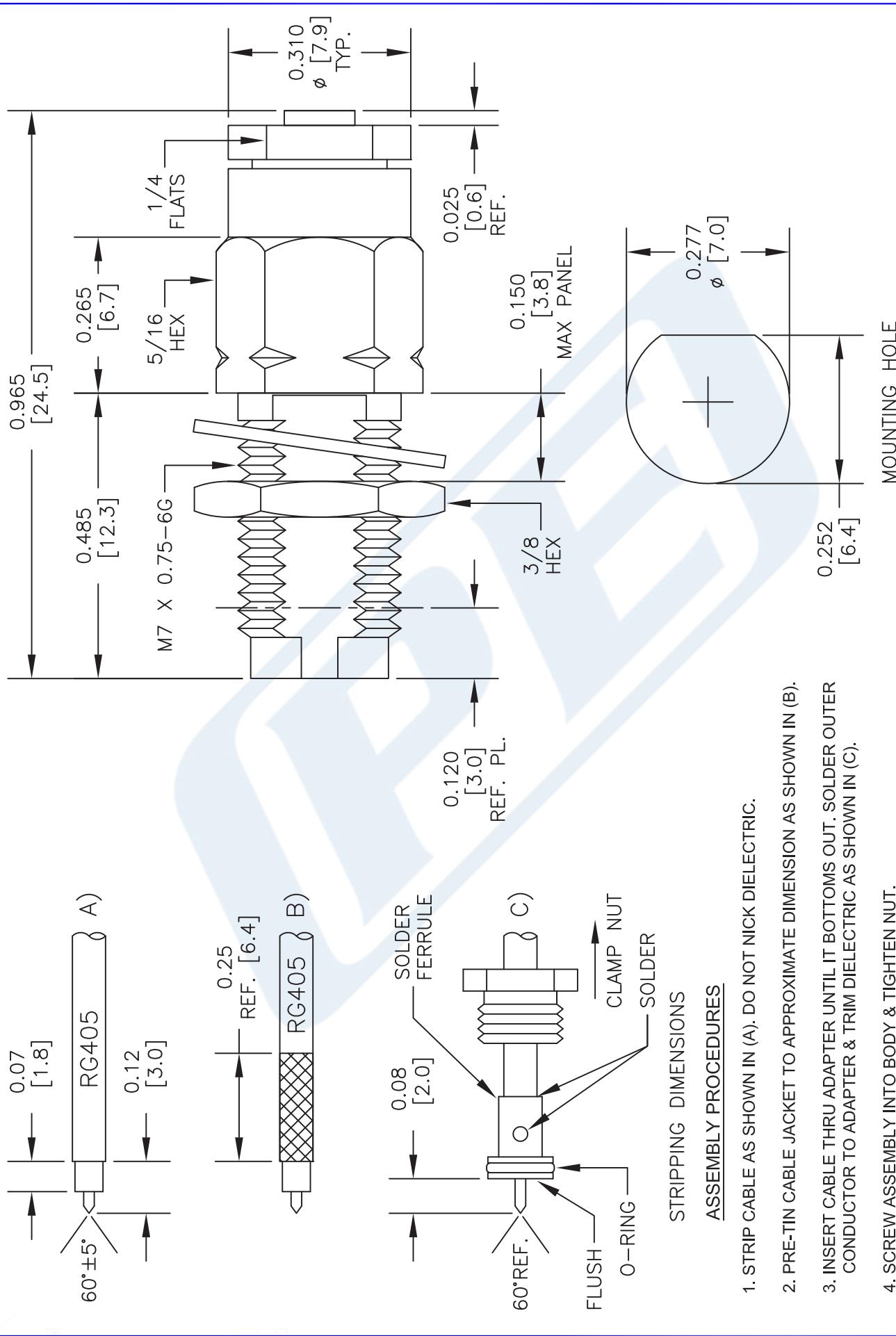
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PE44801 CAD Drawing

2.4mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, .252 inch D Hole



| DWG TITLE | PE44801 |
|---|---------------------------------------|
| 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 | |
| FSCM NO. 53919 | CAD FILE 042213 SCALE N/A SIZE A 2233 |

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

Configuration

- Semi-Rigid Cable
- 1 Shield(s)

Features

- Tinned Aluminum Outer Conductor
- Max Frequency 40 GHz

Applications

| | | |
|-------------------------|-------------------------|-----------------------|
| • Test and Measurement | • Medical Equipment | • Field Installations |
| • Communication Systems | • RADAR | |
| • Wireless Systems | • Low Loss Applications | |

Description

Semi-rigid coaxial cable provides the highest electrical performance including low loss and high RF shielding effectiveness, which is why it is the cable type of choice for many RF and microwave engineers. Pasternack's PE-SR405AL is a .086 semi-rigid coax cable constructed with silver plated copper clad steel inner conductor, solid PTFE dielectric and tinned aluminum outer conductor. This .086 semi-rigid cable has a maximum operating frequency of 40 GHz and is designed as a superior alternative to the standard RG-405 cable. Semi-rigid cable is used in a wide variety of applications including when higher operating frequency or precision performance is required. PE-SR405AL .086 semi-rigid coaxial cable datasheet specifications and outline drawing are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 40 | GHz |
| Impedance | | 50 | | Ohms |
| Dielectric Withstanding Voltage (AC) | | | 5,000 | Vrms |

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 Tinned Aluminum Outer Conductor PE-SR405AL](#)

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|--------|--------|----|----|----------|
| Frequency | 1 | 10 | 20 | | | GHz |
| Attenuation, Max | 23 | 81 | 131 | | | dB/100ft |
| | 75.46 | 265.75 | 429.79 | | | 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 Strands | 0.02 in [0.51 mm] |
| Conductor Type | Solid | |
| Dielectric | PTFE | 0.066 in [1.68 mm] |
| Outer Conductor | Tinned Aluminum | 0.086 in [2.18 mm] |

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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 Tinned Aluminum Outer Conductor PE-SR405AL](#)

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

RF Cables Technical Data Sheet

PE-SR405AL

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

Plotted and Other Data

Notes:

086 Semi-rigid Coax Cable with Tinned Aluminum 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.

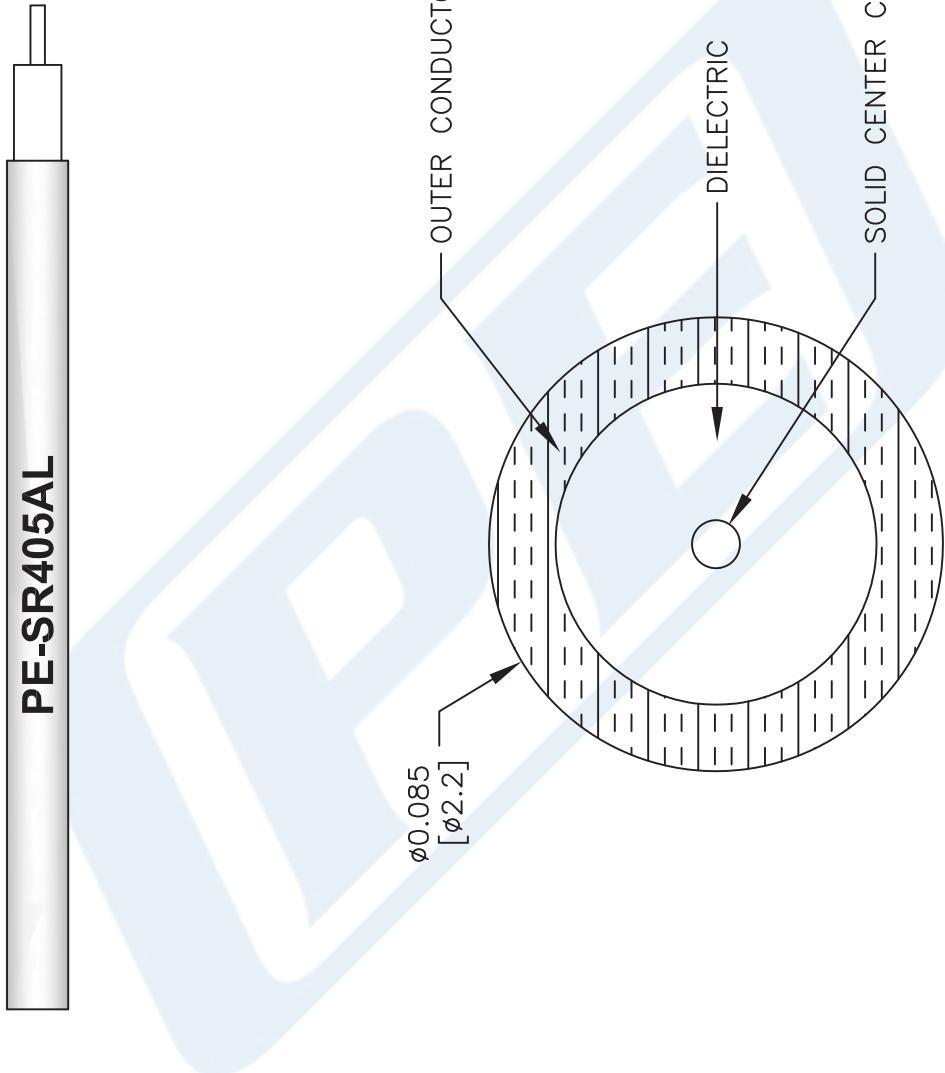
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URL: <https://www.pasternack.com/semirigid-0.085-50-ohm-coax-cable-tinned-aluminum-pe-sr405al-p.aspx>

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PE-SR405AL CAD Drawing

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



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| DWG TITLE | PE-SR405AL |
|----------------|----------------------------------|
| FSCM NO. 53919 | CAD FILE 111716 SCALE N/A SIZE A |

| | |
|--|-------|
| PASTERNACK® THE ENGINEER'S RF SOURCE Paternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.paternack.com E-Mail: sales@paternack.com | 41742 |
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