



BMA Plug Bulkhead Mount Slide-On Connector Solder/ Non-Solder Contact Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN

RF Connectors Technical Data Sheet

PE45311

Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ,
- PE-SR405TN Interface Type
- Solder/Non-Solder Contact Attachment
- Bulkhead
- 8 mm Hex

Features

- Max. Operating Frequency 22 GHz
- Good VSWR of 1.3:1
- Gold Plated Bronze Contact
- 51.18μ in. minimum contact plating
- Blind Mate Connector
- Low-Engagement Force

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

Description

Pasternack's PE45311 BMA plug slide-on bulkhead connector with solder/non-solder contact attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ and PE-SR405TN is part of our full line of RF components available for same-day shipping. Our BMA plug connector operates up to a maximum frequency of 22 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 BMA 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 BMA plug bulkhead connector PE45311 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		22	GHz
VSWR			1.3:1	
Insertion Loss			0.14	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN PE45311](#)



BMA Plug Bulkhead Mount Slide-On Connector Solder/
Non-Solder Contact Attachment for RG405, PE-SR405AL,
PE-SR405FL, PE-SR405FLJ, PE-SR405TN

RF Connectors Technical Data Sheet

PE45311

Mechanical Specifications

Size

Length	0.7 in [17.78 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.008 lbs [3.63 g]
Mating Cycles	1,000 Cycles

Material Specifications

Description	Material	Plating
Contact	Bronze	Gold 51.18μ in. minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 78.74μ in. minimum
Body	Brass	Tri-Metal 78.74μ in. minimum
Washer	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-65 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: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN PE45311](#)



**BMA Plug Bulkhead Mount Slide-On Connector Solder/
Non-Solder Contact Attachment for RG405, PE-SR405AL,
PE-SR405FL, PE-SR405FLJ, PE-SR405TN**

RF Connectors Technical Data Sheet

PE45311

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

Plotted and Other Data

Notes:

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN 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.

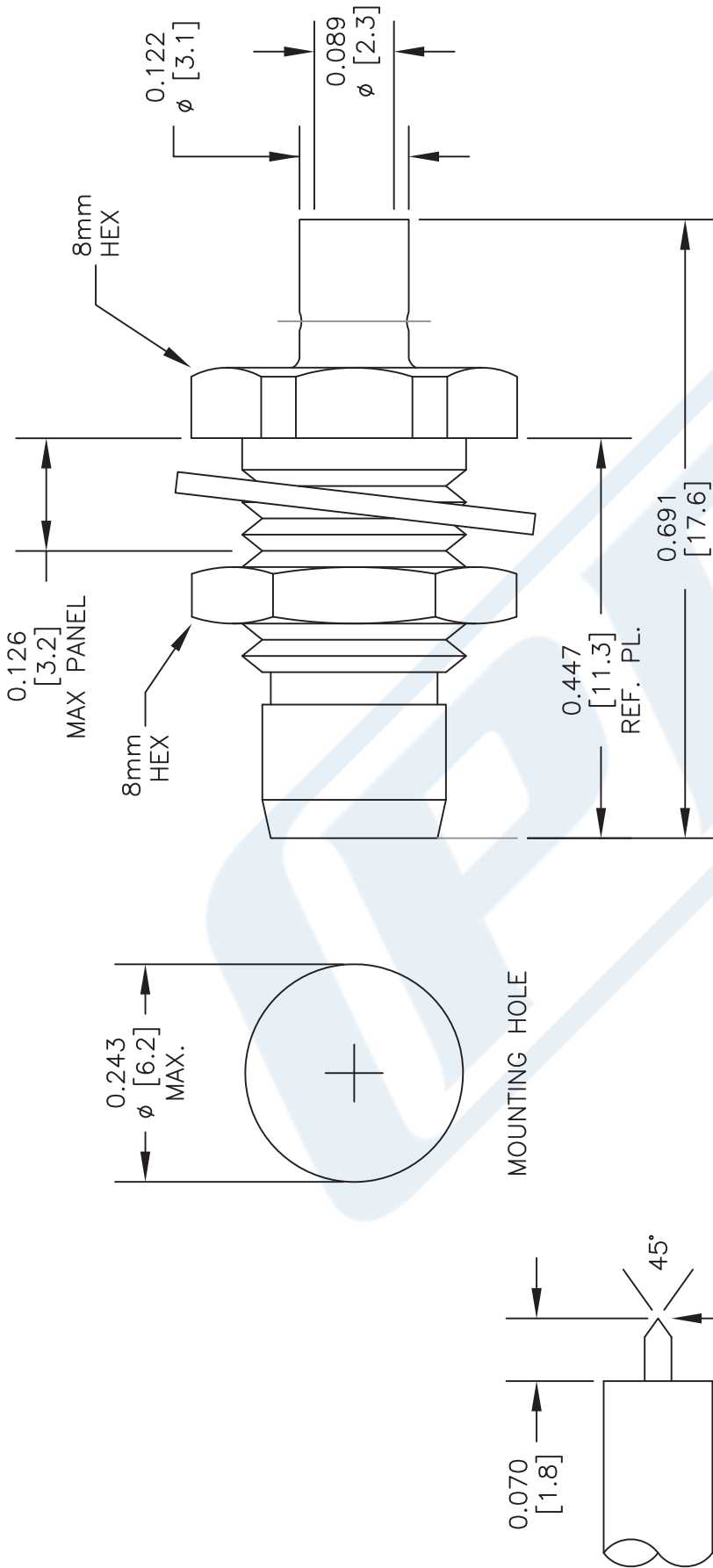
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN PE45311](#)

URL: <https://www.pasternack.com/bma-plug-slide-on-rg405-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe45311-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.

PE45311 CAD Drawing

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact
Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN



STANDARD TOLERANCES

.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE

PE45311

CAGE CODE 53919

CAD FILE 022317

SCALE N/A

SIZE A

2233

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

STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.



BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ

RF Connectors Technical Data Sheet

PE45331

Configuration

- Slide-On BMA Jack Connector
- 50 Ohms
- Right Angle Body Geometry
- RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ
- Interface Type
- Solder/Solder Attachment
- 2 Hole Flange

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.46:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector
- Low-Engagement Force
- Radial and Axial Float Versions

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

Description

Pasternack's PE45331 BMA jack slide-on right angle 2 hole flange mount connector with solder/solder attachment for RG405, PE-SR405AL, PE-SR405FL and PE-SR405FLJ is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.46:1. 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. Its right angle body geometry allows for easier connections in tight spaces. This BMA 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 BMA jack right angle 2 hole flange connector PE45331 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			1.46:1	
Insertion Loss			0.25	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45331](#)



BMA Jack Right Angle Slide-On Connector Solder
Attachment 2 Hole Flange Mount for RG405, PE-
SR405AL, PE-SR405FL, PE-SR405FLJ

RF Connectors Technical Data Sheet

PE45331

Mechanical Specifications

Size

Length	0.87 in [22.1 mm]
Width/Dia.	0.37 in [9.40 mm]
Height	0.75 in [19.05 mm]
Weight	0.019 lbs [8.62 g]
Mating Cycles	1,000 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Brass	Tri-Metal

Mechanical Specification Notes:

Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/- .010)

Environmental Specifications

Temperature

Operating Range	-65 to +150 deg C
-----------------	-------------------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45331](#)



BMA Jack Right Angle Slide-On Connector Solder
Attachment 2 Hole Flange Mount for RG405, PE-
SR405AL, PE-SR405FL, PE-SR405FLJ

RF Connectors Technical Data Sheet

PE45331

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

Plotted and Other Data

Notes:

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, 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.

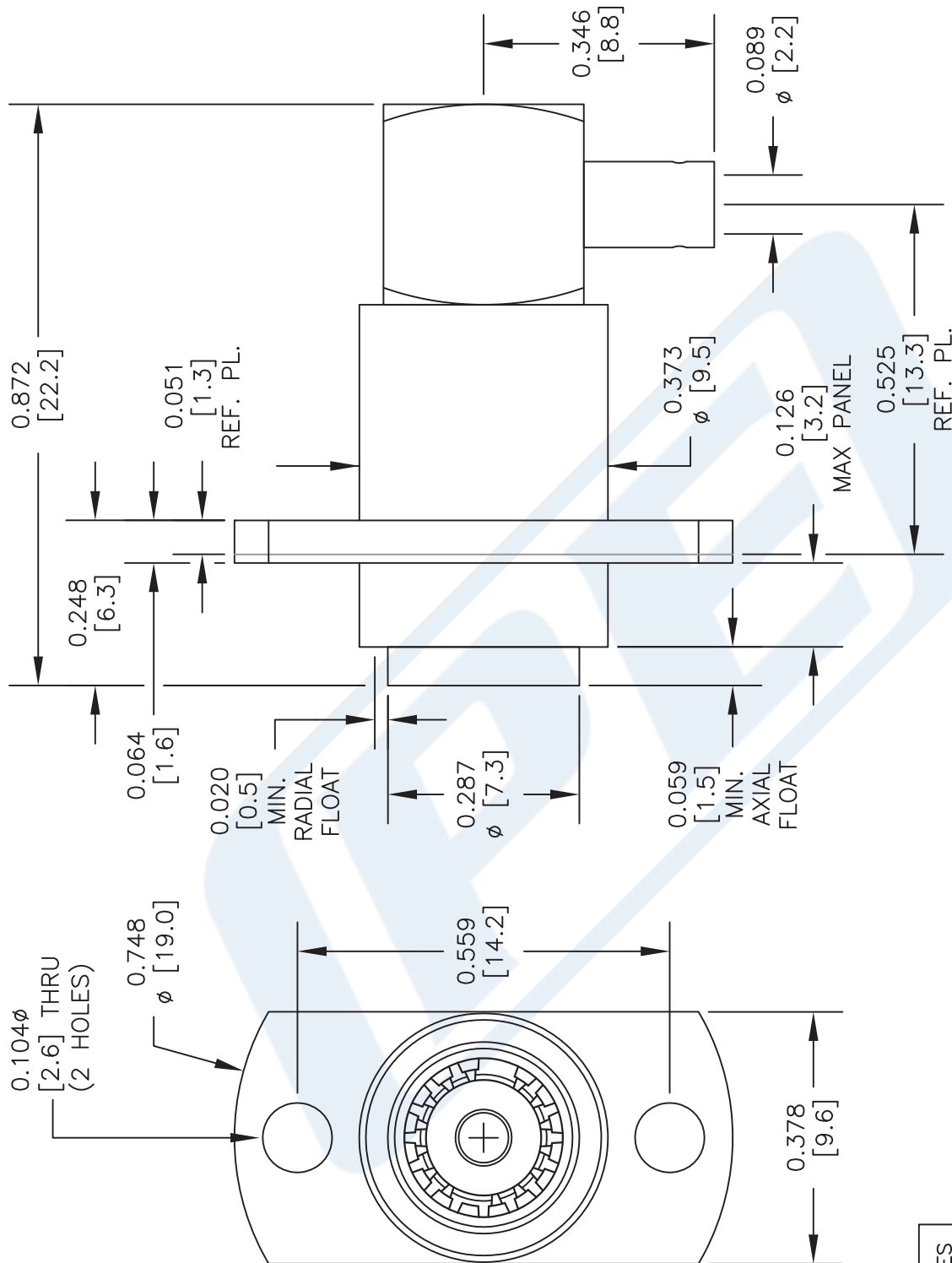
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45331](#)

URL: <https://www.pasternack.com/bma-jack-slide-on-rg405-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe45331-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.

PE45331 CAD Drawing

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange
Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ



STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.1
.XXX ± 0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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

PE45331

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 020617

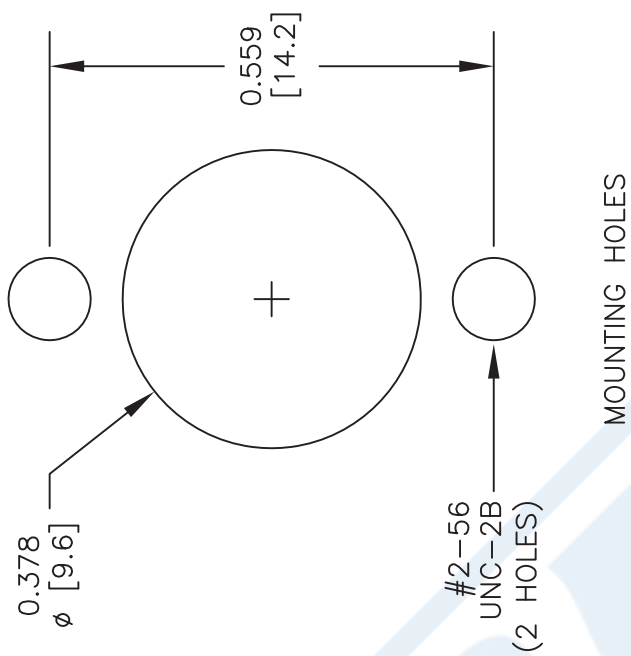
SCALE N/A

SIZE A

2233

PE45331 CAD Drawing

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange
Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ



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

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

DWG TITLE PE45331		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 020617	SCALE N/A	SIZE A
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		2233		

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.

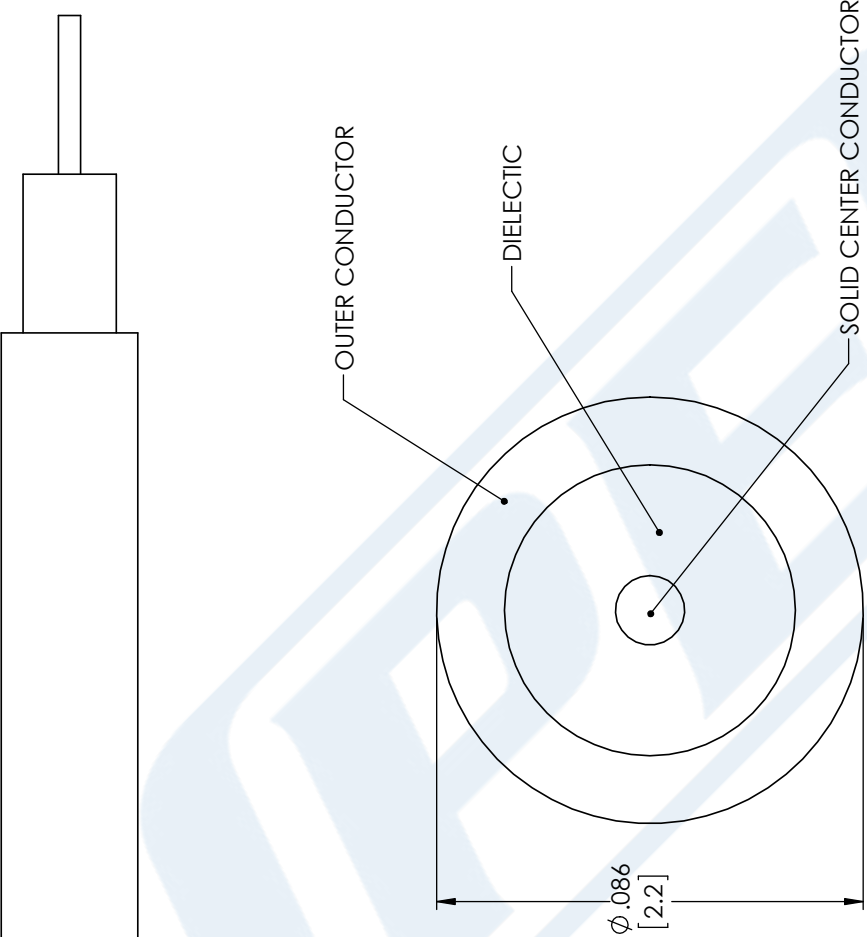
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN](#)

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

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.

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]

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

PE-SR405TN

CAGE CODE 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].

CAD FILE	11/28/17	SCALE	N/A	SIZE	A	CN2245
----------	----------	-------	-----	------	---	--------