



SMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE4083

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.23:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4083 SMA male right angle connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 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 12.4 GHz and offers excellent VSWR of 1.23:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE4083 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			1.23:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	0.65 in [16.51 mm]
Width/Dia.	0.315 in [8.00 mm]
Height	0.45 in [11.43 mm]
Weight	0.015 lbs [6.8 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4083](#)



SMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE4083

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Stainless Steel	Gold 30 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

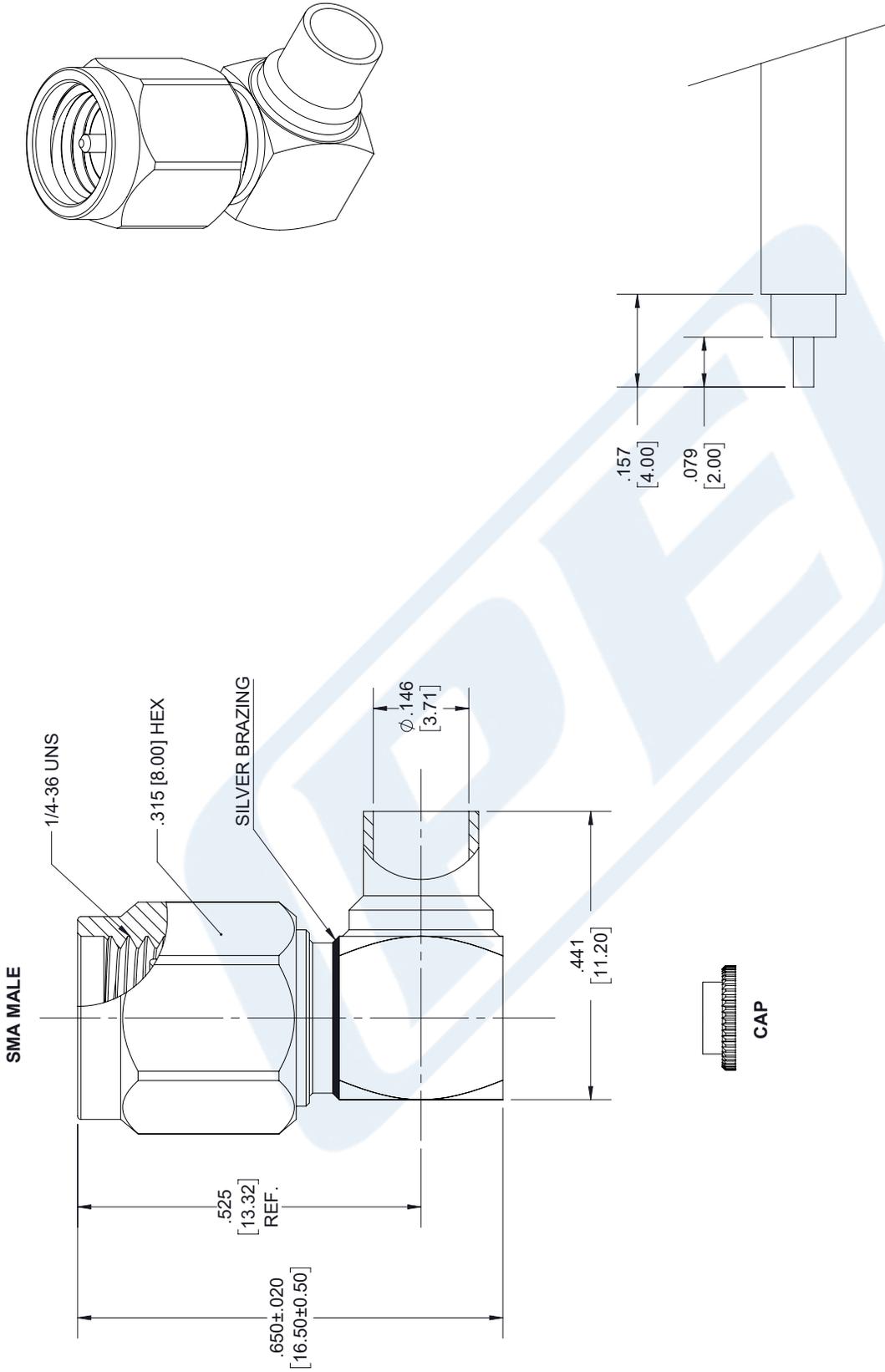
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4083](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4083-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.

PE4083 CAD Drawing

SMA Male Right Angle Connector Solder Attachment for PE-SR402AL,
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE	PE4083
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	11/05/18
SCALE	N/A
SIZE	A
	7361



SMA Female Bulkhead Mount Low PIM Connector
Solder Attachment for PE-SR402FL, PE-SR402FLJ,
RG402, PE-SR402AL

RF Connectors
Technical Data Sheet

PE45835

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402FL, PE-SR-402FLJ, RG402, PE-SR402AL
- Bulkhead
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.2:1
- PIM levels lower than -155 dBc
- Silver Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

Description

Pasternack's PE45835 , SMA, Low PIM, 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 6 GHz and offers excellent VSWR of 1.2:1. The SMA female connector also has low passive intermodulation of -155 dBc. 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 PE45835 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		6	GHz
VSWR			1.2:1	
Passive Intermodulation			-155	dBc
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			750	Vrms

Mechanical Specifications

Size	
Length	0.71 in [18.03 mm]
Width	0.36 in [9.14 mm]
Height	0.36 in [9.14 mm]

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 Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45835](#)



SMA Female Bulkhead Mount Low PIM Connector
Solder Attachment for PE-SR402FL, PE-SR402FLJ,
RG402, PE-SR402AL

RF Connectors Technical Data Sheet

PE45835

Weight 0.01 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

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

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL 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 Low PIM Connector Solder Attachment for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45835](#)

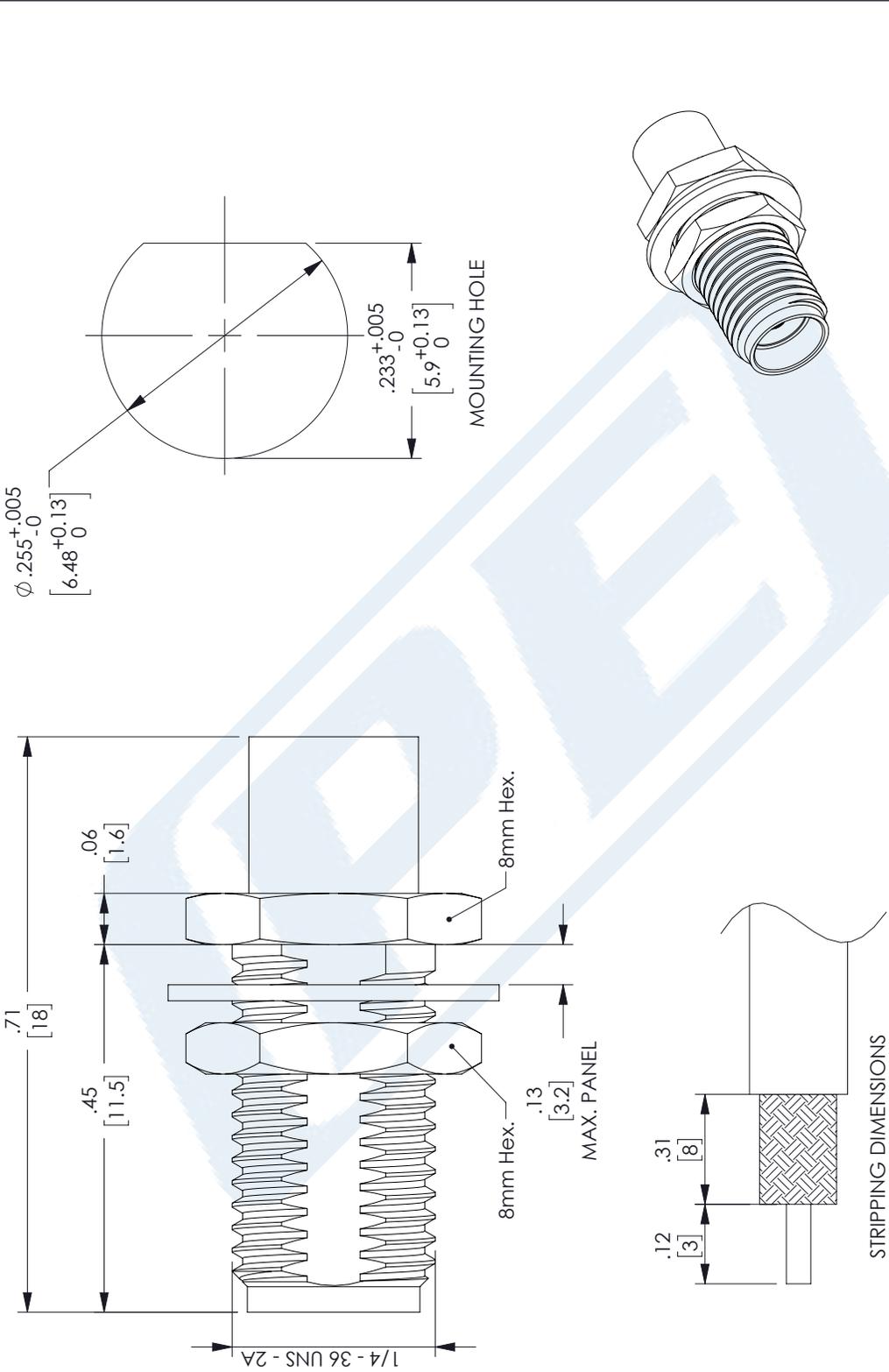
URL:

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PE45835 CAD Drawing

SMA Female Bulkhead Mount Low PIM Connector Solder Attachment
for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	8/16/2022
		AGANWANI



THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] | FRACTIONS ± 1/32
.XX = ±.02 [51] | ANGLES ± 1°
.XXX = ±.005 [13] | CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE [CAGE CODE] DRAWN BY ITEM NO.

A 53919 PSRINIVAS PE45835

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Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR402FLJ

Configuration

- Formable Cable

Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Time Delay		1.43 4.69		ns/ft ns/m
Shielding Effectiveness	100			dB
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (AC)			3,000	Vrms
Inner Conductor DC Resistance			8.23	Ohms/1000ft
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]
Insulation Resistance	1,524			MOhms/1000ft

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8.23	12.5	32	48.158	73.152	dB/100ft
	27	41.01	104.99	158	240	dB/100m
Input Power (CW), Max	436.5	303.4	126.7	85.5	56.6	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR402FLJ Coax Cable with Tinned Copper Braid Outer Conductor and Black FEP Jacket PE-SR402FLJ](#)



Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

RF Cables Technical Data Sheet

PE-SR402FLJ

Mechanical Specifications

Diameter	0.161 in [4.09 mm]
Weight	0.032 lbs/ft [0.05 Kg/m]
Min. Bend Radius (Installation)	0.315 in [8 mm]
Min. Bend Radius (Repeated)	1.575 in [40.01 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver1	0.036 in 0.91 mm
Conductor Type	Solid	
Dielectric	PTFE	0.117 in 2.97 mm
Outer Conductor	Tinned Copper Braid	0.139 in 3.53 mm
Jacket	FEP, Black	0.161 in [4.09 mm]

Environmental Specifications

Temperature

Operating Range	-65 to +150 deg C
Storage Range	10 to +35 deg C

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

Plotted and Other Data

Notes:

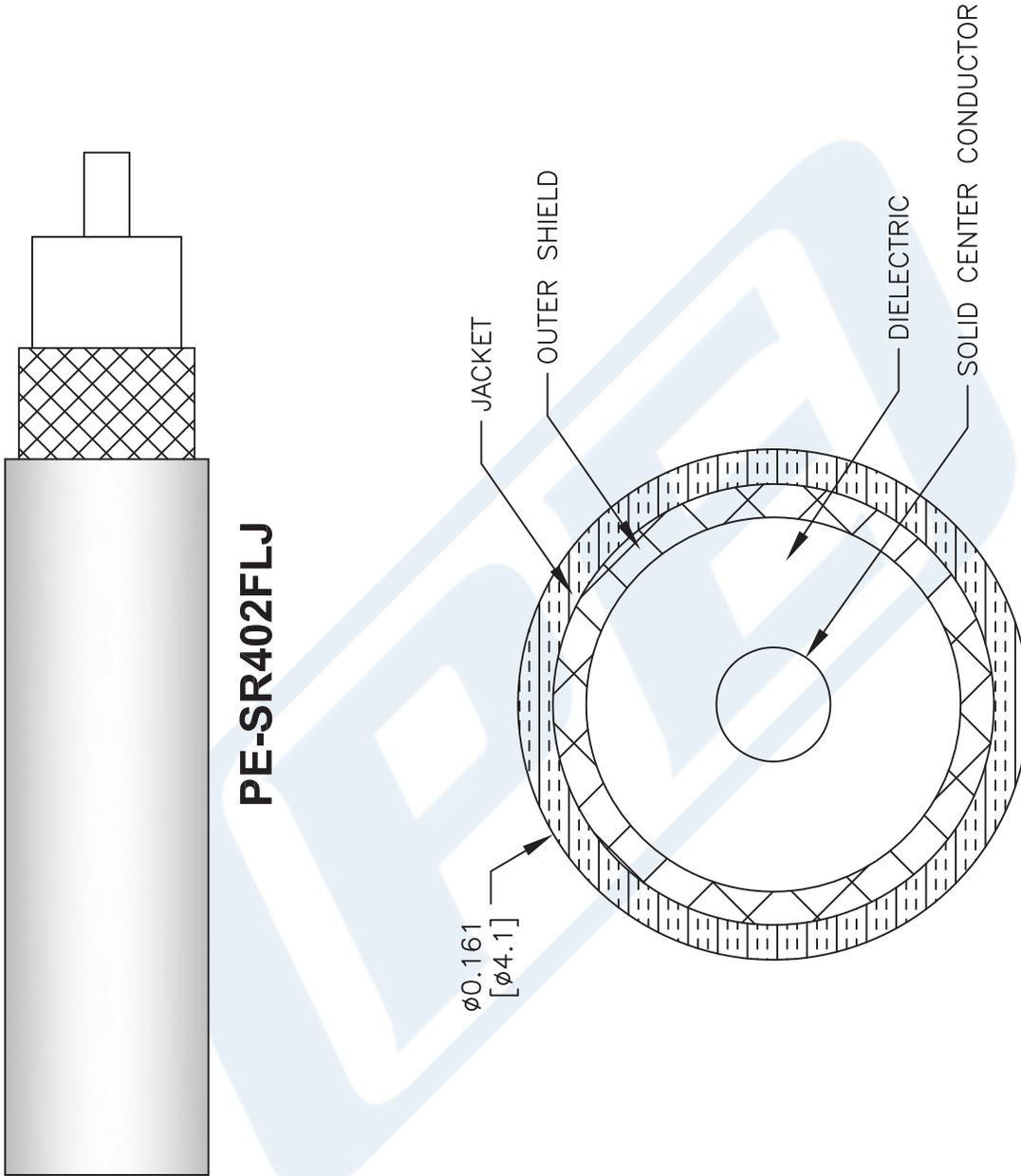
Formable 141 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR402FLJ Coax Cable with Tinned Copper Braid Outer Conductor and Black FEP Jacket PE-SR402FLJ](#)

URL: <https://www.pasternack.com/50-ohm-formable-141-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr402flj-p.aspx>

PE-SR402FLJ CAD Drawing

Formable 141 Semirigid Coax Cable with Tinned Braid
Outer Conductor and Black FEP Jacket



PE-SR402FLJ

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE-SR402FLJ

41742

SIZE A

SCALE N/A

CAD FILE 111716

FSCM NO. 53919

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