



RP SMA Male Connector Solder Attachment for
 PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-
 SR402TN, RG402, Gold Plated Brass Body

RF Connectors Technical Data Sheet

PE44724

Configuration

- SMA Male Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

Features

- Gold over Nickel Plated Beryllium Copper Contact
- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44724 RP SMA male 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. The male reverse polarity configuration uses a male connector body with a female inner contact receptacle.

Our reverse polarity SMA male connector PE44724 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.

Mechanical Specifications

Size

Length	0.465 in [11.81 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.007 lbs [3.18 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel
Coupling Nut	Passivated Stainless Steel	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body PE44724](#)



RP SMA Male Connector Solder Attachment for
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-
SR402TN, RG402, Gold Plated Brass Body

RF Connectors Technical Data Sheet

PE44724

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

Plotted and Other Data

Notes:

RP SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body 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.

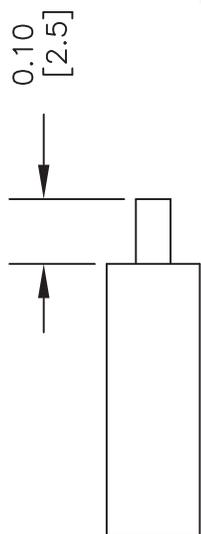
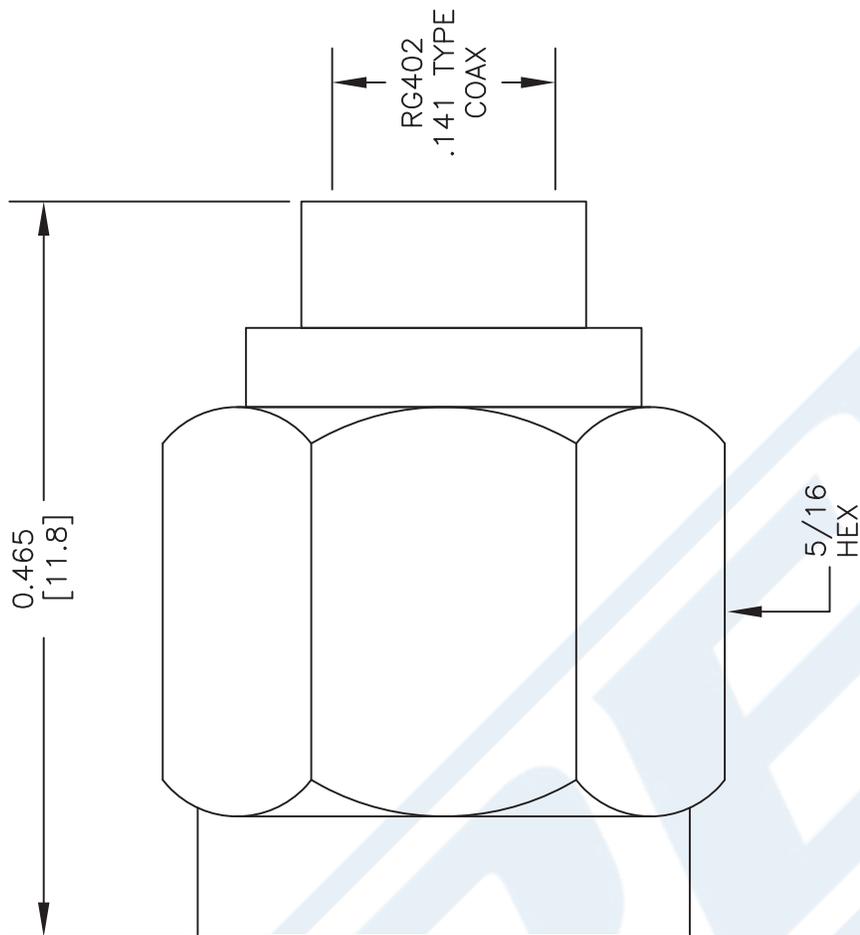
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URL: <https://www.pasternack.com/sma-male-reverse-polarity-pe-sr402al-pe-sr402fl-rg402-connector-pe44724-p.aspx>

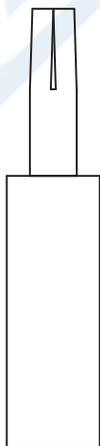
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PE44724 CAD Drawing

RP SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL,
PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body



A



B

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. ATTACH CONTACT AS SHOWN IN (B) & SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

PE44724

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].

FSCM NO. 53919

CAD FILE 042114

SCALE N/A

SIZE A

2233



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RP SMA Female Connector Solder Attachment for
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-
SR402TN, RG402, Gold Plated Brass Body

RF Connectors
Technical Data Sheet

PE44723

Configuration

- SMA Female Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402

Features

- Gold over Nickel Plated Brass Contact
- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44723 RP SMA female 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. The female reverse polarity configuration uses a female connector body with a male inner contact pin.

Our reverse polarity SMA female connector PE44723 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.

Mechanical Specifications

Size

Length	0.5 in [12.7 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.005 lbs [2.27 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body PE44723](#)



RP SMA Female Connector Solder Attachment for
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-
SR402TN, RG402, Gold Plated Brass Body

RF Connectors
Technical Data Sheet

PE44723

Environmental Specifications

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

Plotted and Other Data

Notes:

RP SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body 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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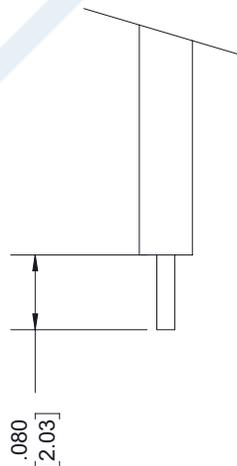
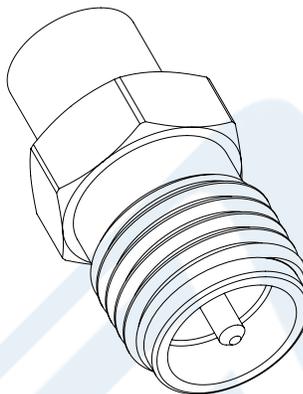
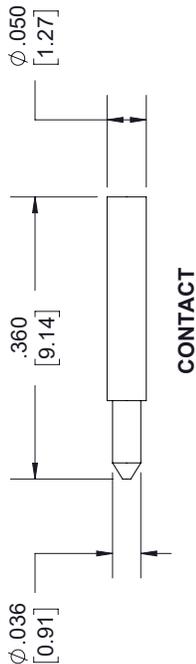
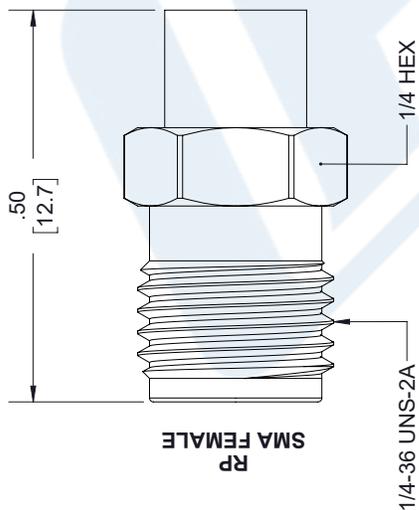
URL: <https://www.pasternack.com/sma-female-reverse-polarity-pe-sr402al-pe-sr402fl-rg402-connector-pe44723-p.aspx>

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PE44723 CAD Drawing

RP SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402, Gold Plated Brass Body

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44723	5/11/2020	S.ELLIS



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.

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.



THIRD-ANGLE PROJECTION
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SHEET 1 OF 1

SCALE N/A

REV A



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ITEM NO. PE44723

SIZE A CAGE CODE 53919 DRAWN BY K.DANG

REV A



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:

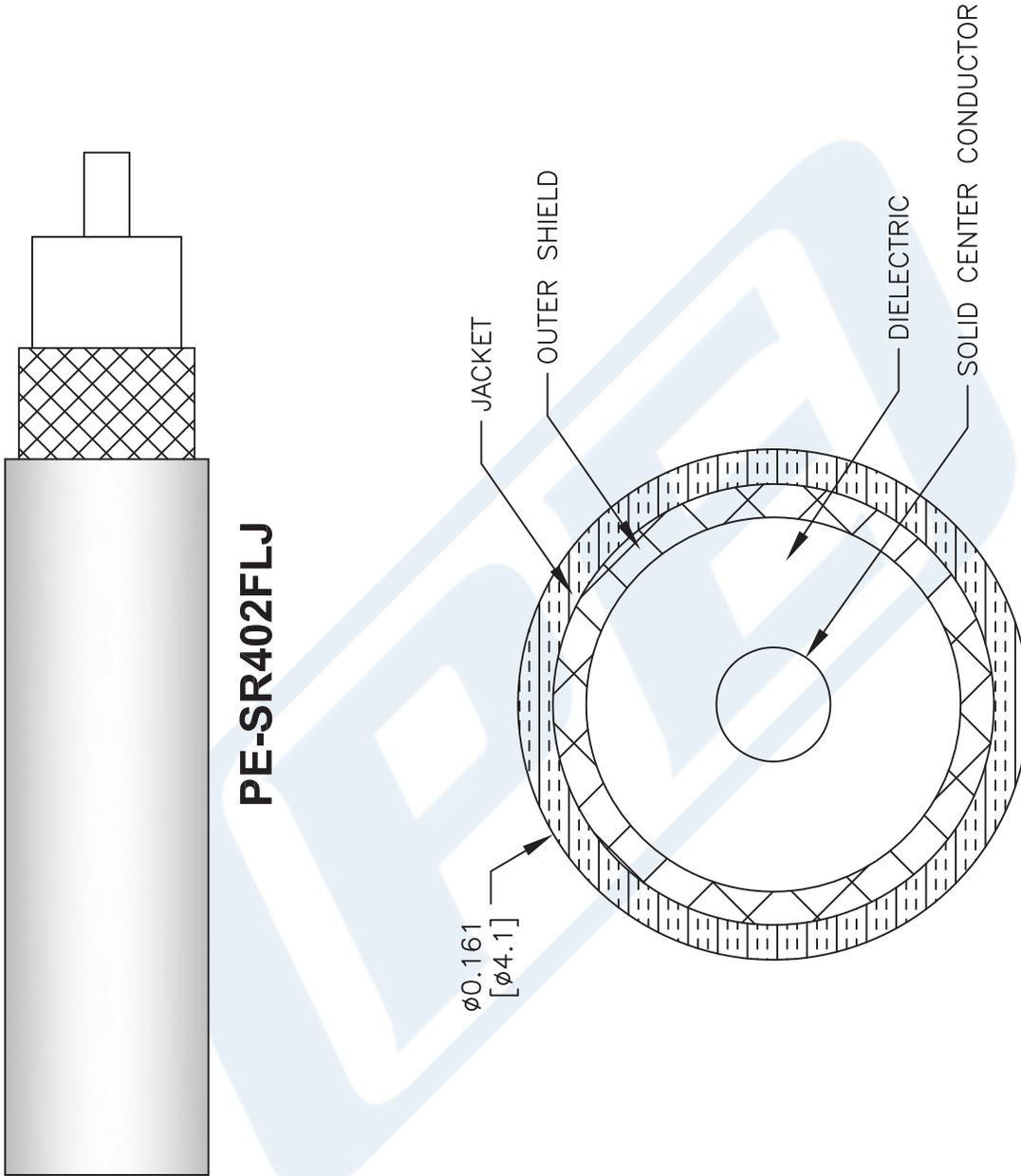
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR402FLJ Coax Cable with Tinned Copper Braid Outer Conductor and Black FEP Jacket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

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DWG TITLE
PE-SR402FLJ

CAD FILE 111716 SCALE N/A SIZE A 41742

FSCM NO. 53919

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