



4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Mechanical Specifications

Size	
Length	0.88 in [22.35 mm]
Width/Dia.	1 in [25.40 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Gasket	EPDM Rubber	

Environmental Specifications

Temperature

Operating Range

-55 to +90 deg C

Ingress Protection (IP) Rating

IP 67 (Mated)

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated PE45301](#)



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RF Connectors Technical Data Sheet

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

Plotted and Other Data

Notes:

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated 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.

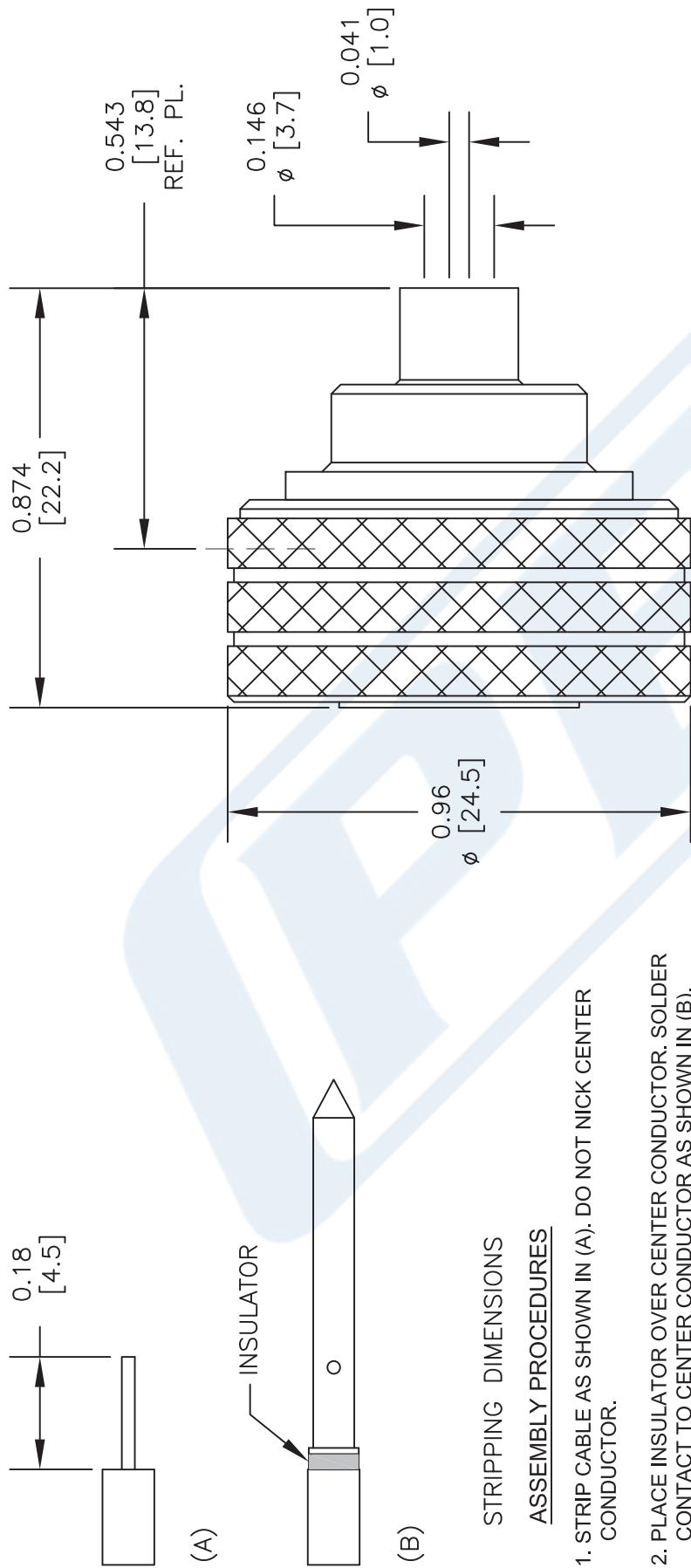
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URL: <https://www.pasternack.com/4.3-10-male-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45301-p.aspx>

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PE45301 CAD Drawing

4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402,
PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated



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	PE45301
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].

SIZE A	2233
CAD FILE	011317



4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

Configuration

- Push-On4.3-10 Male Connector
- Straight Body Geometry
- RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ

Interface Type

- Solder/Solder Attachment
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.08:1
- PIM levels lower than -166 dBc
- Silver Plated Brass Contact

- IP 67 (Mated)
- Low Coupling Torque
- Corrosion Resistant Tri-Metal Finish
- Low-PIM rating of -166 dBc

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

- Mobile Communications Systems
- Base Stations
- Distributed Antenna Systems (DAS)

- Small Cells
- Feeder Cables

Description

Pasternack's PE45301 4.3-10 male push-on connector with solder/solder attachment for RG402, PE-SR402AL, PE-SR402FL and PE-SR402FLJ is part of our full line of RF components available for same-day shipping. Our 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.08:1. The 4.3-10 male connector also has low passive intermodulation of -166 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our 4.3-10 male connector PE45301 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			1.08:1	
Insertion Loss			0.13	dB
Passive Intermodulation		-166		dBc
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

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4.3-10 Male Low PIM Push-On Connector Solder Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, IP67 Rated

RF Connectors Technical Data Sheet

PE45301

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Material Specifications

Description	Material	Plating
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Insulation	PTFE	
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Coupling Nut	Brass	Tri-Metal
Gasket	EPDM Rubber	

Environmental Specifications

Temperature

Operating Range

Ingress Protection (IP) Rating

-55 to +90 deg C

IP 67 (Mated)

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RF Connectors Technical Data Sheet

PE45301

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

Plotted and Other Data

Notes:

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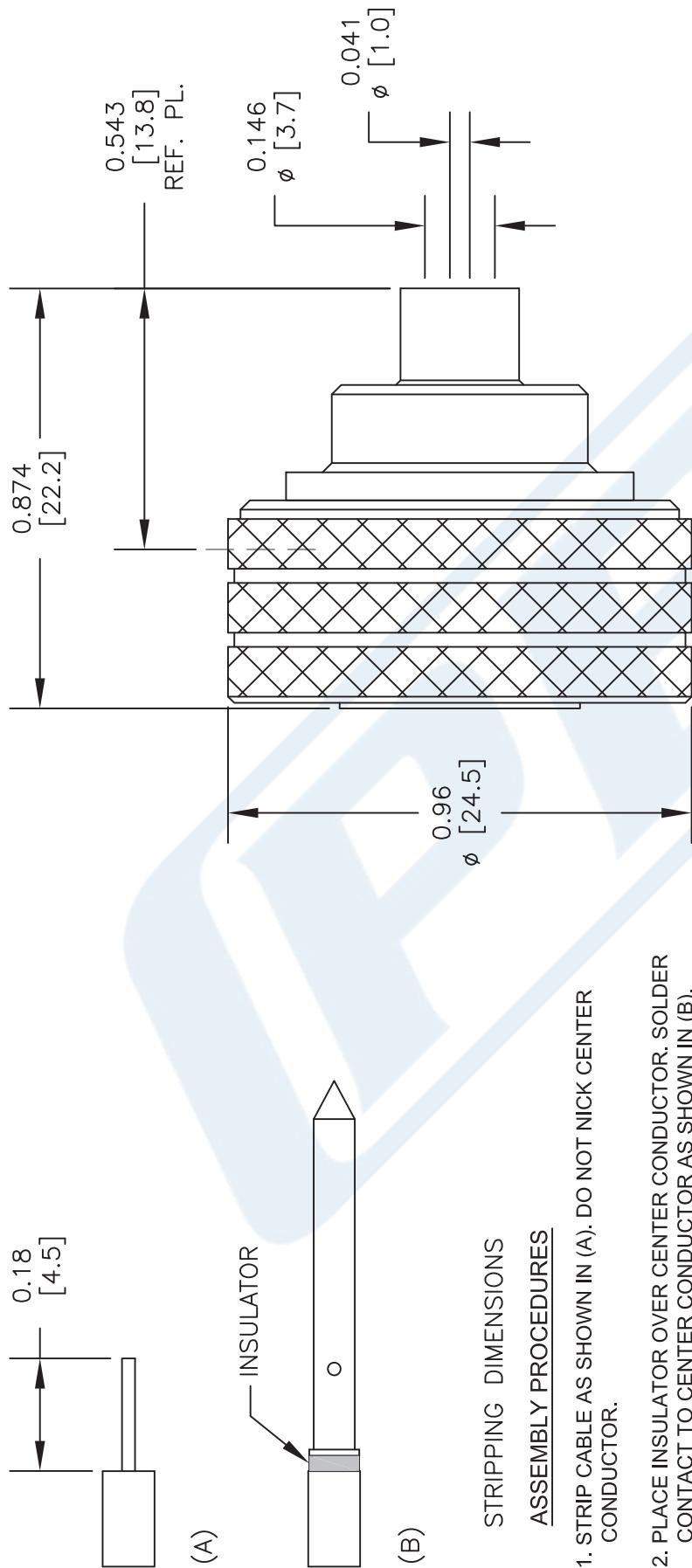
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PE45301 CAD Drawing

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

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CAGE CODE	53919
CAD FILE	011317
SCALE	N/A
SIZE	A
4233	

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

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

RF Cables Technical Data Sheet

PECX007

Configuration

- Low Loss Semi-Rigid Cable
- 1 Shield(s)

Features

- Continuous Copper Outer Conductor
- Low Density Microporous Dielectric
- Phase Stability vs. Temperature
- Mechanical Stability vs. Temperature
- High Isolation
- Supplied in 5 foot maximum straight lengths

Applications

• Low Loss Cabling	Cables	• Surface Mount Cabling
• Phase Matched Microporous	• High Isolation Interconnects	• Semi-Rigid Cable Assemblies

Description

Pasternack's PECX007 low loss semi-rigid coax with copper outer conductor and microporous dielectric is part of our full line of RF components available for same-day shipping. This low loss semi-rigid coaxial cable operates to a maximum frequency range of 34 GHz. The outer conductor is served by a continuous copper tube which provides extremely high levels of RF shielding and low attenuation. The low density microporous dielectric of this semi rigid coax reduces the dielectric losses and also provides more phase stability over temperature when compared to solid PTFE dielectric. An additional benefit of the microporous dielectric is its mechanical stability over temperature. Unlike solid PTFE, this low density PTFE material can handle soldering heat with minimal or no measurable extrusion on the ends of the cable. This minimizes stress on connectors and allows for more predictable termination on PCB, surface mount applications.

Our microporous dielectric low loss semi-rigid coax cable, PECX007 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave interconnects allows designers to configure and customize their signal connections however they like. Whether the need is to provide a high isolation, phase stable signal path or simply create a custom cable assembly configuration, Pasternack has the right cable 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		34	GHz
Impedance		50		Ohms
Velocity of Propagation		76.5		%

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections PECX007](#)

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections

RF Cables Technical Data Sheet

PECX007

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Typ	7.5	10.5	24	34	46	dB/100ft
	24.61	34.45	78.74	111.55	150.92	dB/100m
Input Power (CW), Max	820	580	240	170	130	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	20					GHz
Attenuation, Typ	52					dB/100ft
	170.6					dB/100m
Input Power (CW), Max	115					Watts

Mechanical Specifications

Min. Bend Radius (Installation)

0.5 in [12.7 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strand ASTM B-298	0.04 in 1.02 mm
Conductor Type	Solid	
Dielectric	Microporous PTFE	0.118 in [3 mm]
Outer Conductor	Copper	0.141 in 3.58 mm

Environmental Specifications

Temperature

Operating Range

-65 to +200 deg C

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RF Cables Technical Data Sheet

PECX007

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

Plotted and Other Data

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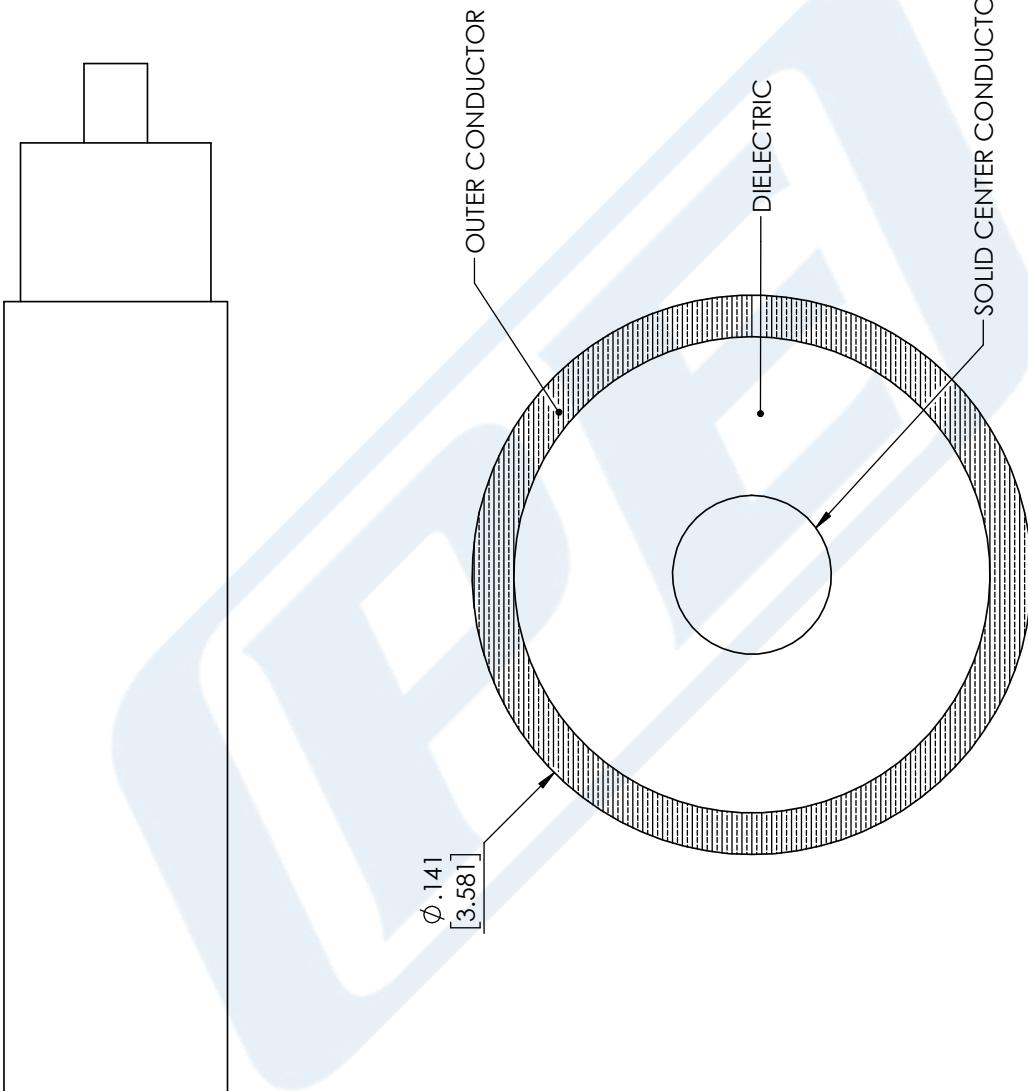
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PECX007 CAD Drawing

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor,
Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections



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X	± 0.2	
.XX	± 0.01	
.XXX	± 0.005	

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CAGE CODE	53919	CAD FILE	06/14/18	SCALE	N/A	SIZE	A	CN2245
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