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2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL

RF Connectors
Technical Data Sheet

PE45830

Configuration

- 2.2-5 Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402FL, PE-SR-402FLJ, RG402, PE-SR402AL
- 4 Hole Flange
- Low PIM Design

Features

- Max. Operating Frequency 6 GHz
- PIM levels lower than -160 dBc
- Silver Plated Bronze Contact

Applications

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

Description

Pasternack's PE45830 2.2-5 female 4 hole flange mount connector with solder/solder attachment for PE-SR402FL, PE-SR402FLJ, RG402 and PE-SR402AL is part of our full line of RF components available for same-day shipping. Our 2.2-5 female connector operates up to a maximum frequency of 6 GHz. The 2.2-5 female connector also has low passive intermodulation of -160 dBc. This 2.2-5 4 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 2.2-5 female 4 hole flange connector PE45830 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
Passive Intermodulation			-160	dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45830

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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RF Connectors
Technical Data Sheet

PE45830

Mechanical Specifications

Size

Length	0.86 in [21.84 mm]
Width/Dia.	0.69 in [17.53 mm]
Height	0.5 in [12.7 mm]
Weight	0.025 lbs [11.34 g]

Material Specifications

Description	Material	Plating
Contact	Bronze	Silver
Insulation	PTFE	
Outer Conductor	Bronze	Silver
Body	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:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45830

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RF Connectors
Technical Data Sheet

PE45830

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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: 2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45830

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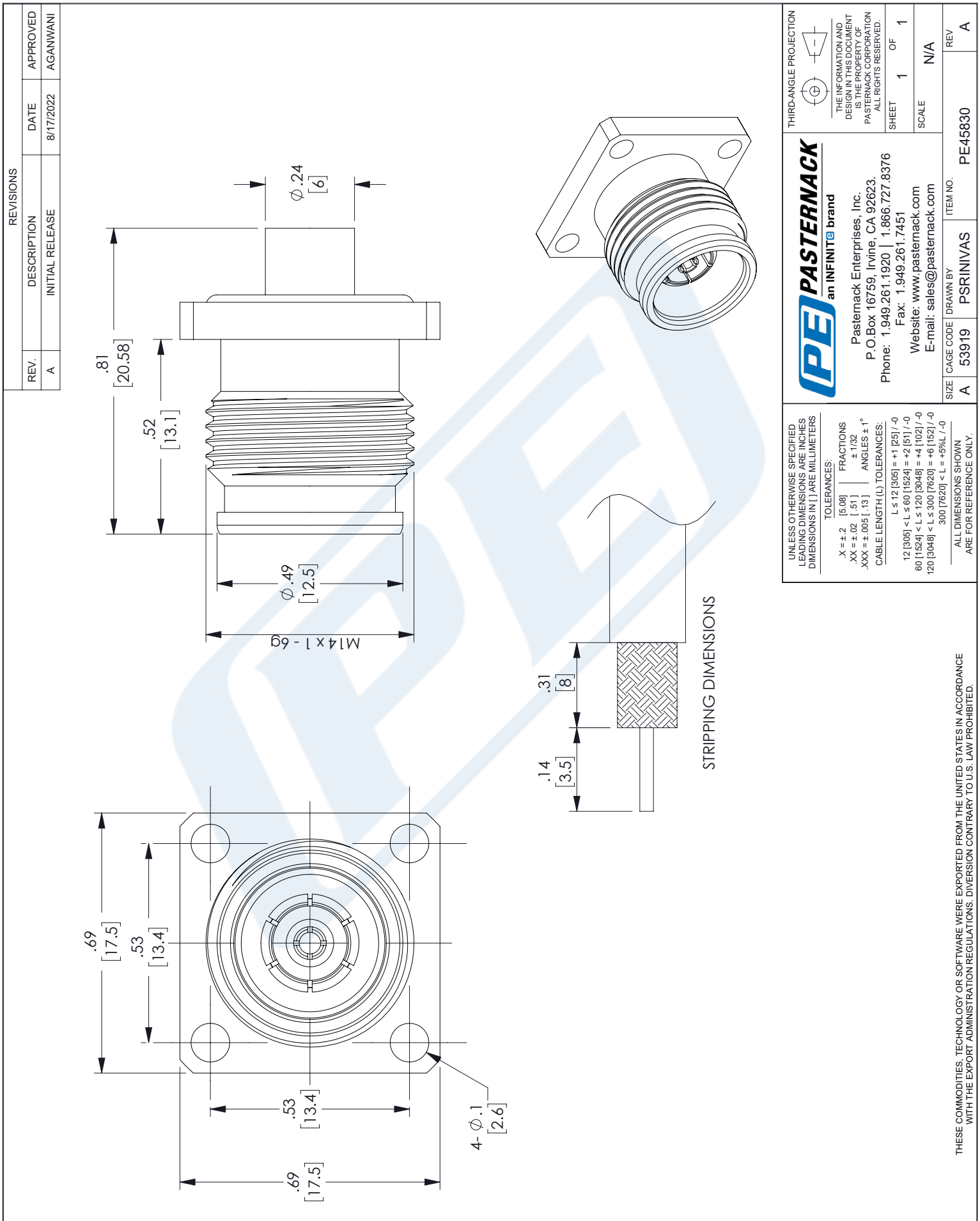
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PE45830 CAD Drawing

2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL



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PE45830

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- 50 Ohms
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- Wireless Communications
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- Low PIM Applications

Description

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Passive Intermodulation			-160	dBc
Dielectric Withstanding Voltage (AC)			750	Vrms

Performance by Frequency

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Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45830

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RF Connectors
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Size

Length	0.86 in [21.84 mm]
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Height	0.5 in [12.7 mm]
Weight	0.025 lbs [11.34 g]

Material Specifications

Description	Material	Plating
Contact	Bronze	Silver
Insulation	PTFE	
Outer Conductor	Bronze	Silver
Body	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:

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 2.2-5 Female Low PIM Connector Solder Attachment 4 Hole Flange Mount for PE-SR402FL, PE-SR402FLJ, RG402, PE-SR402AL PE45830

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RF Connectors
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URL: https://www.pasternack.com/2.2-5-female-pe-sr402fl-pe-sr402flj-pe-sr402al-connector-pe45830-p.aspx

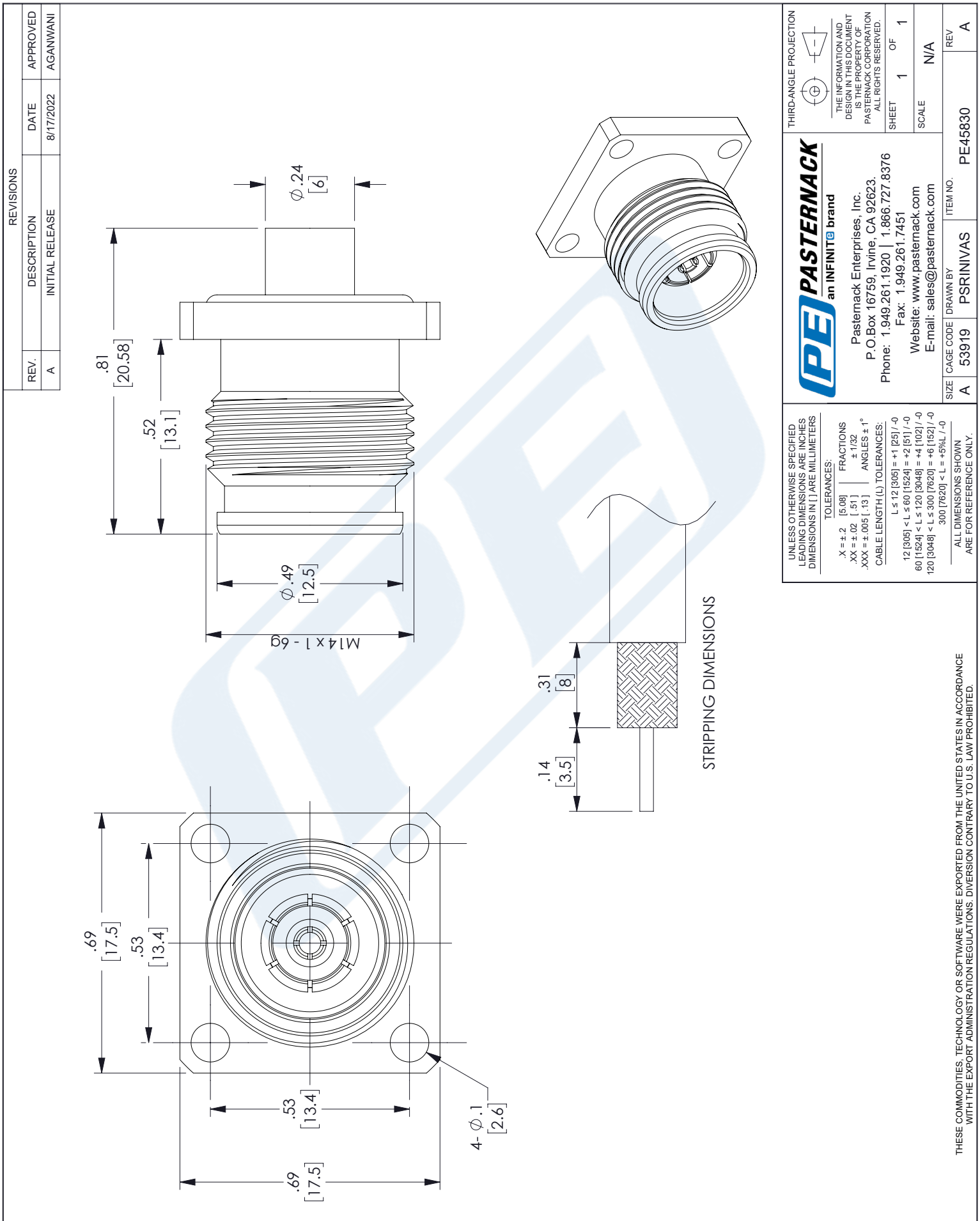
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PE45830 CAD Drawing

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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
- Phase Matched Microporous Cables
- High Isolation Interconnects
- Surface Mount Cabling
- 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

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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

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

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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Low Loss .141 Semi-Rigid Coax Cable, Copper Outer Conductor, Microporous PTFE 76.5 pct VoP Dielectric, Straight Sections 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/low-loss-semirigid-141-coax-cable-copper-straight-pecx007-p.aspx

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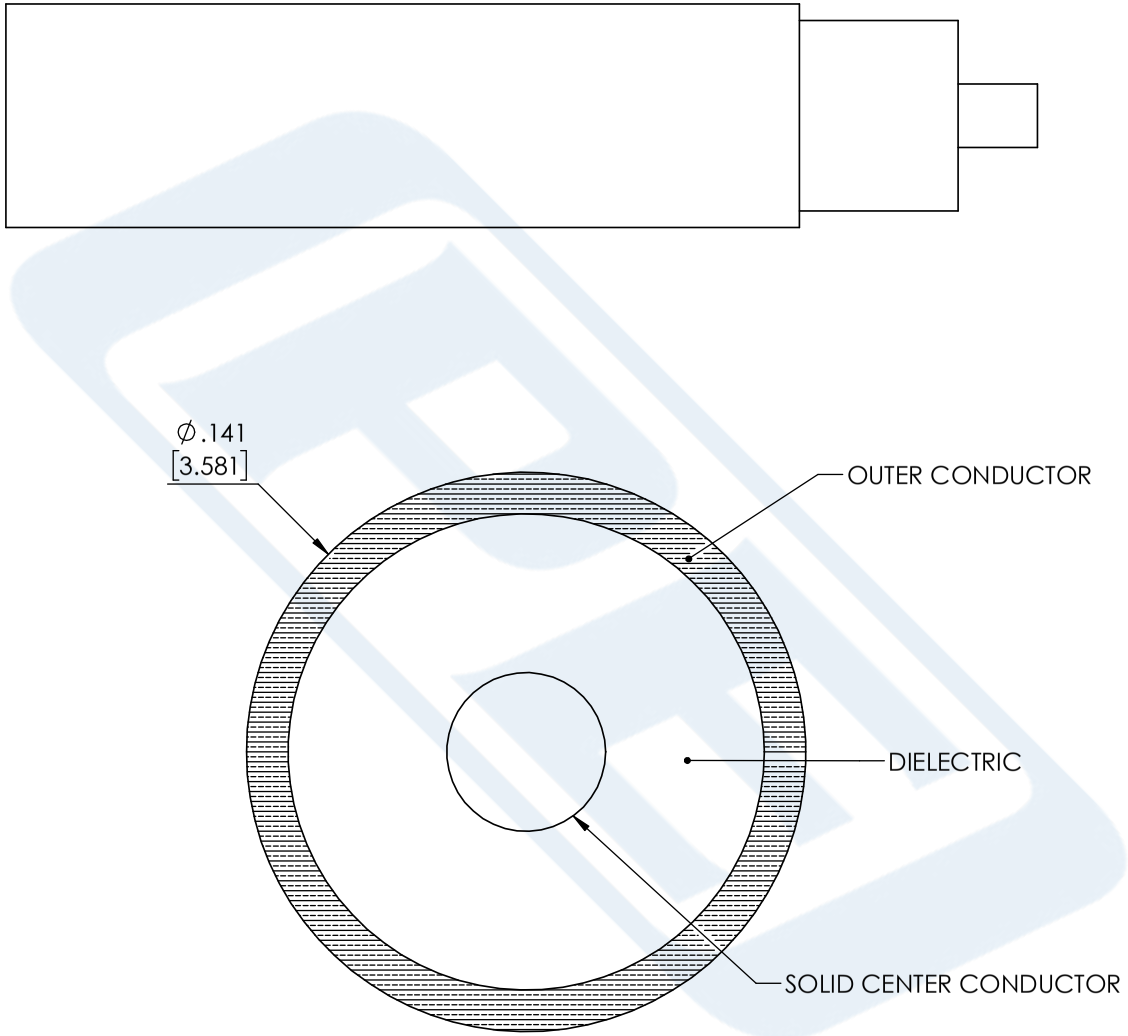
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PECX007 CAD Drawing

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



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
PECX007

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].

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