



N Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG401

RF Connectors Technical Data Sheet

PE1952

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG401
- Bulkhead

Features

- Max. Operating Frequency 10 GHz
- Excellent VSWR of 1.25:1

- Gold Plated Beryllium Copper Contact
- Hermetically Sealed

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE1952 type N, N, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 10 GHz and offers excellent VSWR of 1.25:1. This type N 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 type N female bulkhead connector PE1952 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		10	GHz
VSWR			1.25:1	
Insertion Loss			0.158	dB
Operating Voltage (AC)			1,000	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.21 in [30.73 mm]
Width	0.75 in [19.05 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Bulkhead Mount Hermetically Sealed Connector Clamp/Solder Attachment for RG401 PE1952](#)



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Height	0.75 in [19.05 mm]
Weight	0.09 lbs [40.82 g]
Mating Cycles	500 Cycles
Mating Torque	6 to 10 in-lbs [0.68 to 1.13 Nm]
Cable Retention Force	6.3 lbs 2.86 kg

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Gasket	Silicone	

Environmental Specifications

Temperature	-65 to +165 deg C
Operating Range	MIL-STD-202, Method 106
Humidity	MIL-STD-202, Method 107, Condition B
Thermal Shock	MIL-STD-202, Method 101, Condition B
Salt Spray	1*10-6cc/sec helium at 1atm
Hermetic Seal	

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

Plotted and Other Data

Notes:

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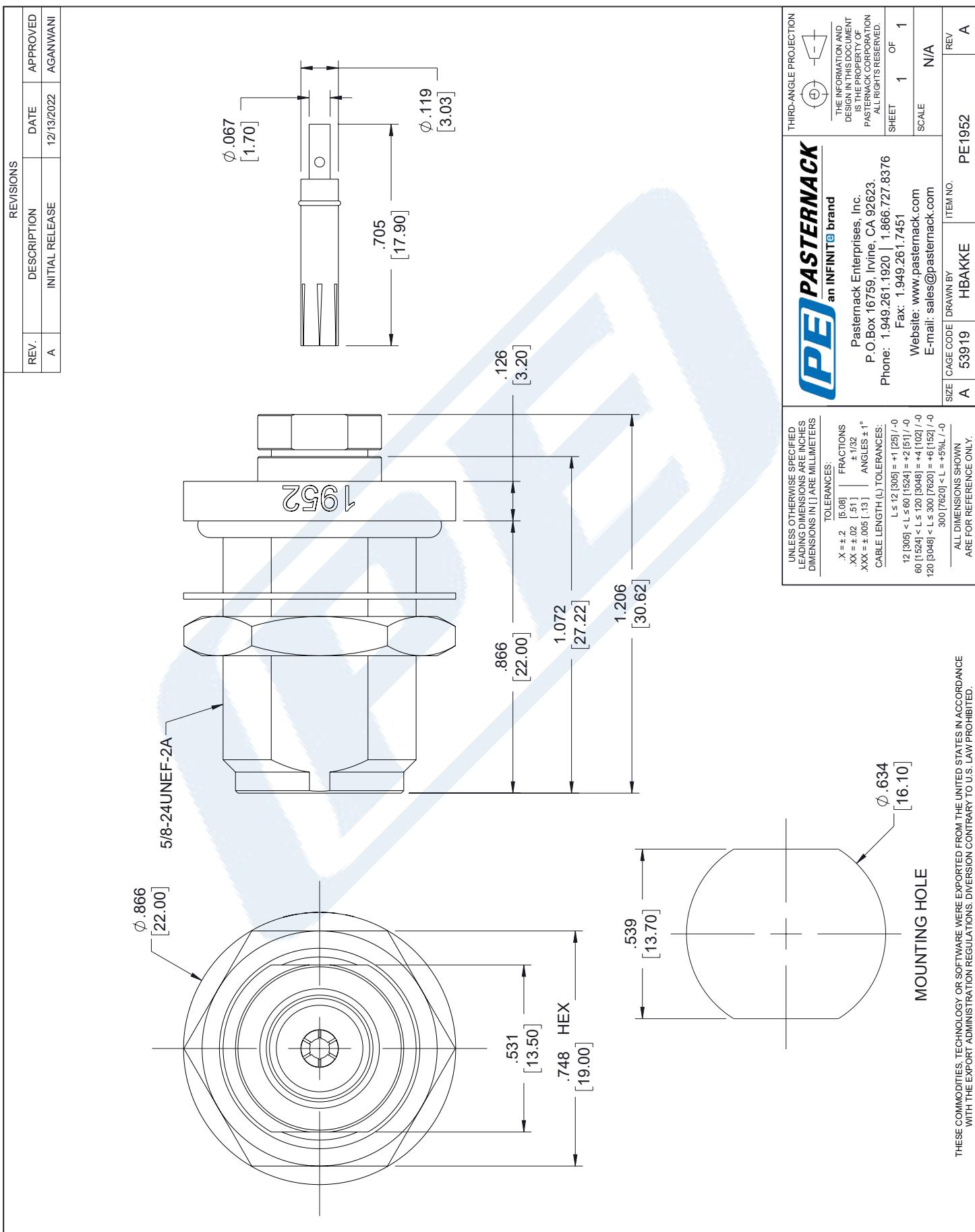
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URL: <https://www.pasternack.com/n-female-rg401-connector-pe1952-p.aspx>

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PE1952 CAD Drawing

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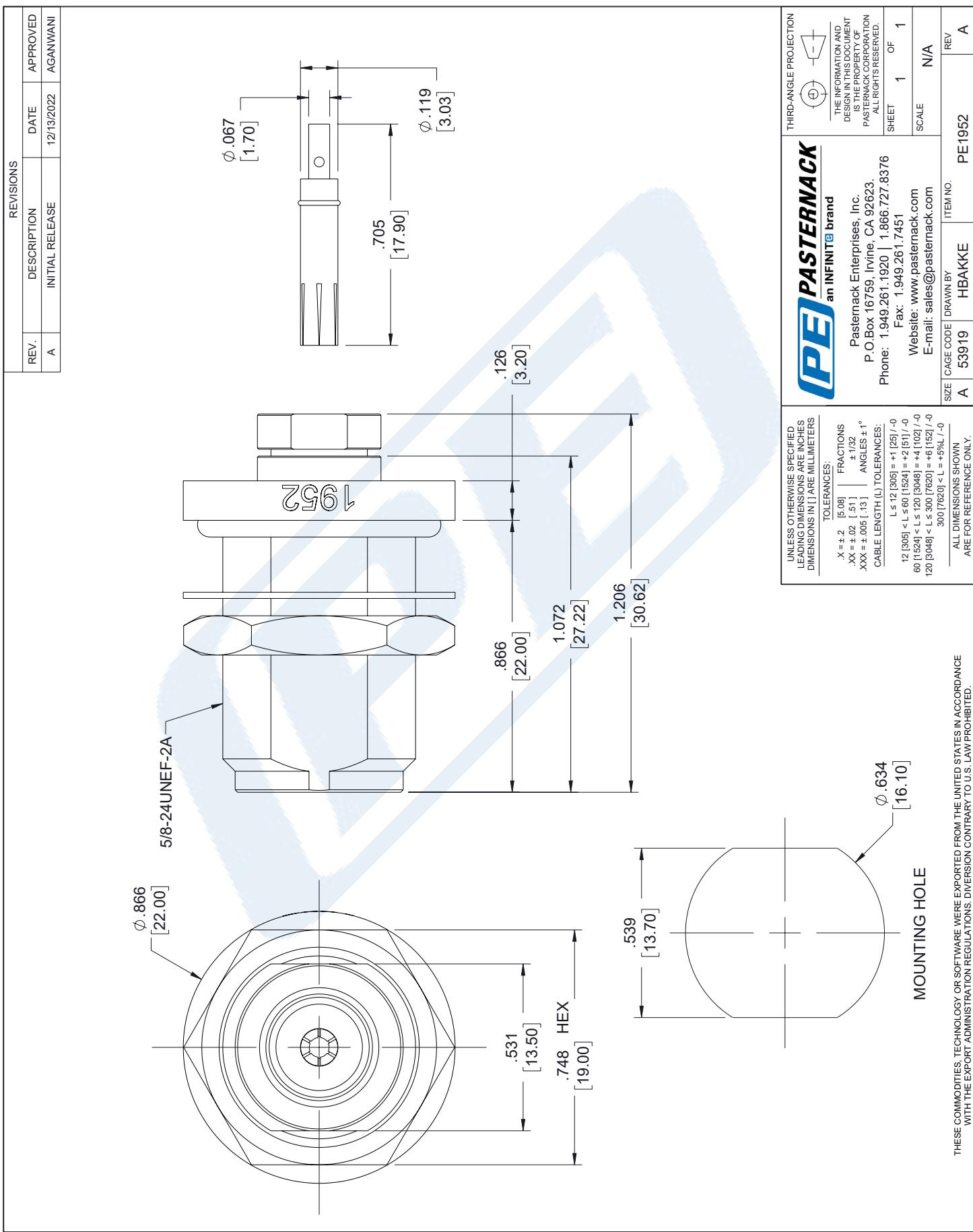
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PE1952 CAD Drawing

N Female Bulkhead Mount Hermetically Sealed Connector
Clamp/Solder Attachment for RG401





Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR401FL

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Tinned Copper Braid

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	18
Capacitance, pF/ft [pF/m]	29 [95.14]
Maximum Operating Voltage, Volts	3,500

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	5.2 [17.06]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.6 [24.93]

Frequency 3

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	19.2 [62.99]

Frequency 4

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	29.9 [98.1]

Frequency 5

Frequency, GHz	18
Attenuation, dB/100ft [dB/100m]	44.2 [145.01]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125
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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 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL](#)

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Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

TECHNICAL DATA SHEET

PE-SR401FL
Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.066 [1.68]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.21 [5.33]

Shield:

Number of	1
Material	Tinned Copper Braid
Diameter, in [mm]	0.25 [6.35]

Jacket:

One Time Minimum Bend Radius, in [mm]	1.18 [29.97]
Repeated Minimum Bend Radius, in [mm]	4.7 [119.38]
Weight, lbs/ft [Kg/m]	0.088 [0.13]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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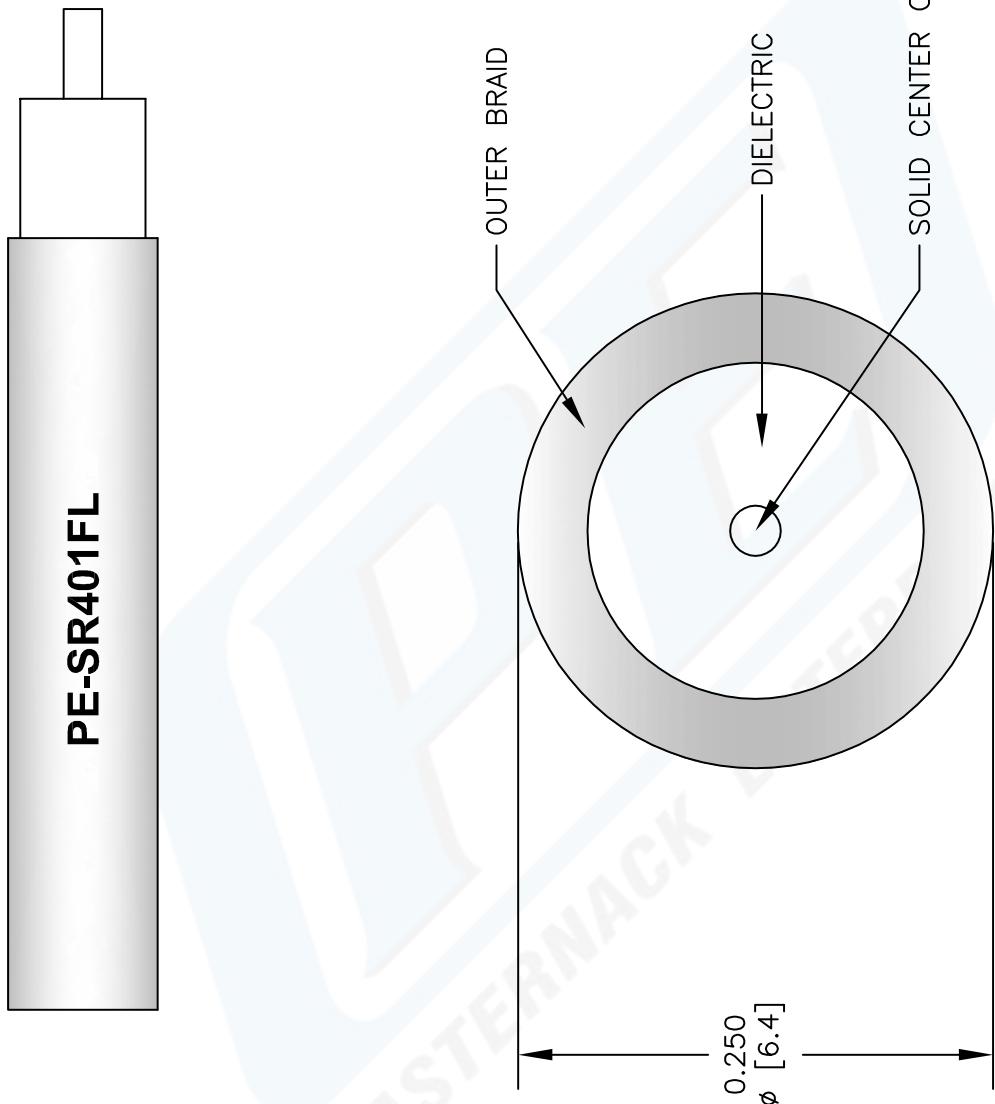
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PE-SR401FL CAD Drawing

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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].

PASTERNACK
PE-SR401FL

DWG TITLE
FSCM NO. 53919

REV. B CAD FILE 072408-B

SCALE N/A

SIZE A

147

PASTERNACK
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