

2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid



PE51263

Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-034SR, .034 Semi-Rigid

Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51263, 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1.

Our 2.92mm male connector PE51263 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		40	GHz
VSWR			1.25:1	
Insertion Loss			0.252	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

Electrical Specification Notes:

Insertion loss is = $0.04 * \sqrt{F(\text{GHz})}$ dB

Mechanical Specifications

Size

Length	0.291339 in [7.4 mm]
Width	0.291339 in [7.4 mm]
Height	0.629921 in [16 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	500 Cycles
Mating Torque	11.47 to 15 in-lbs [[1.30 to 1.70 Nm]]

2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid



PE51263

Cable Retention Force	4.9 lbs [2.22 kg]
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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Solder Sleeve	Stainless Steel	Passivated

Environmental Specifications

Temperature	
Operating Range	-55 to +105 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

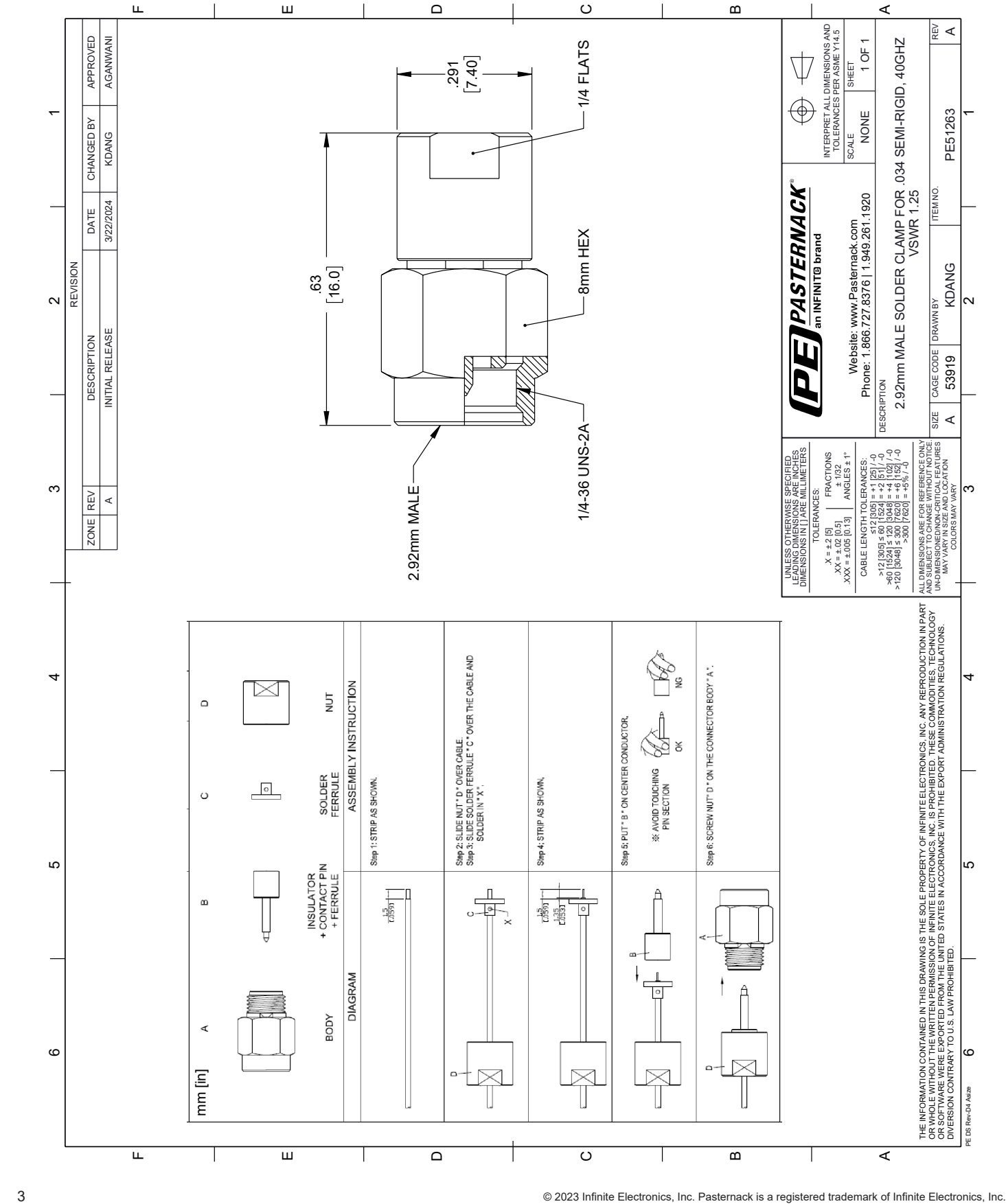
2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid PE51263](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-034sr-.034-semi-rigid-connector-pe51263-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE51263 CAD Drawing
2.92mm Male Connector Clamp/Solder Attachment for PE-034SR, .034 Semi-Rigid





SMA Male Connector Solder Attachment for PE-034SR

RF Connectors Technical Data Sheet

PE4917

Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-034SR Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 18 GHz
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4917 SMA male connector solder attachment for PE-034SR 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 18 GHz.

Our SMA male connector PE4917 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 connector assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Operating Voltage (AC)			125	Vrms
Dielectric Withstanding Voltage (AC)			375	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.492 in [12.5 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.007 lbs [3.18 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 Connector Solder Attachment for PE-034SR PE4917](#)



SMA Male Connector Solder Attachment for PE-034SR

RF Connectors Technical Data Sheet

PE4917

Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications**Temperature**

Operating Range

-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)**Plotted and Other Data**

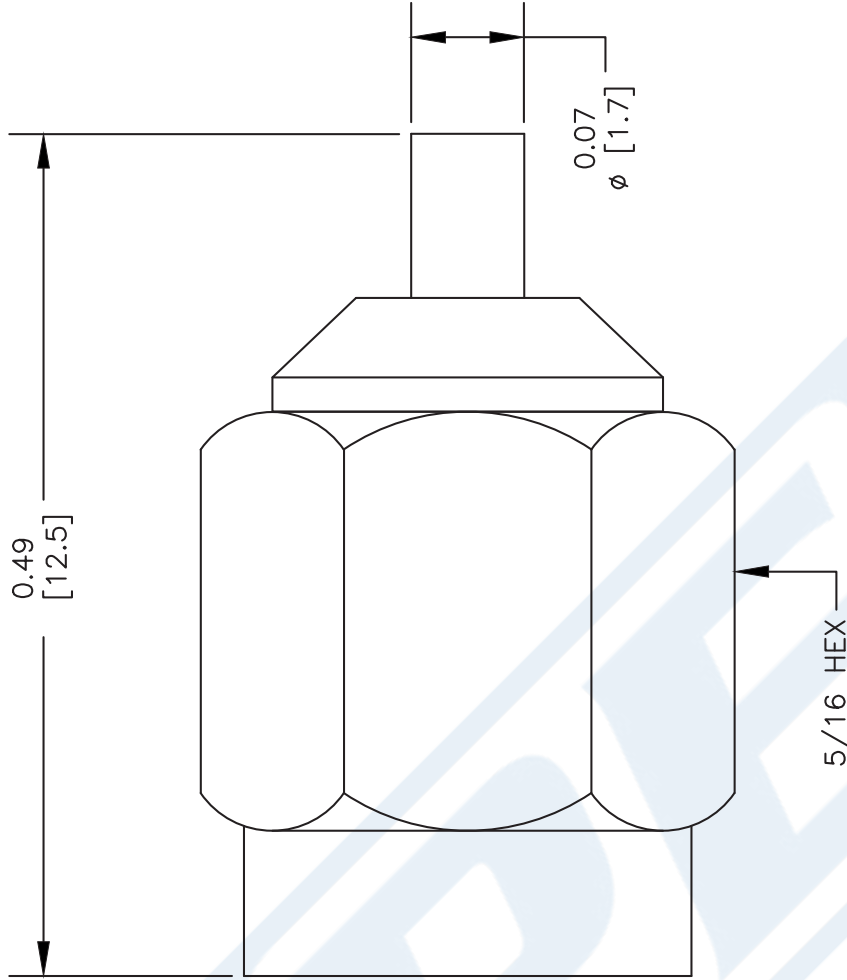
Notes:

SMA Male Connector Solder Attachment for PE-034SR 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-034SR PE4917](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-034sr-connector-pe4917-p.aspx>

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THROUGH BODY.
2. INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.
3. USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. SOLDER OUTER CONDUCTOR TO BODY.

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].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE

PE4917

FSCM NO. 53919

SCALE N/A

SIZE A

127

PE PASTERNAK®
 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

034 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-034SR

034 Semi-rigid Coax Cable with Copper Outer Conductor

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Maximum Operating Voltage, Volts	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	60 [196.85]
Power Handling, Watts	10

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	190 [623.36]
Power Handling, Watts	3.1

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	280 [918.64]
Power Handling, Watts	2

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +100
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.008 [0.2]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.026 [0.66]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [034 Semi-rigid Coax Cable with Copper Outer Conductor PE-034SR](#)

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034 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-034SR

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.034 [0.86]

Jacket:

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.5 [12.7]
Weight, lbs/ft [Kg/m]	0.002 [0]

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

RoHS Compliant	Yes
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Plotted and Other Data

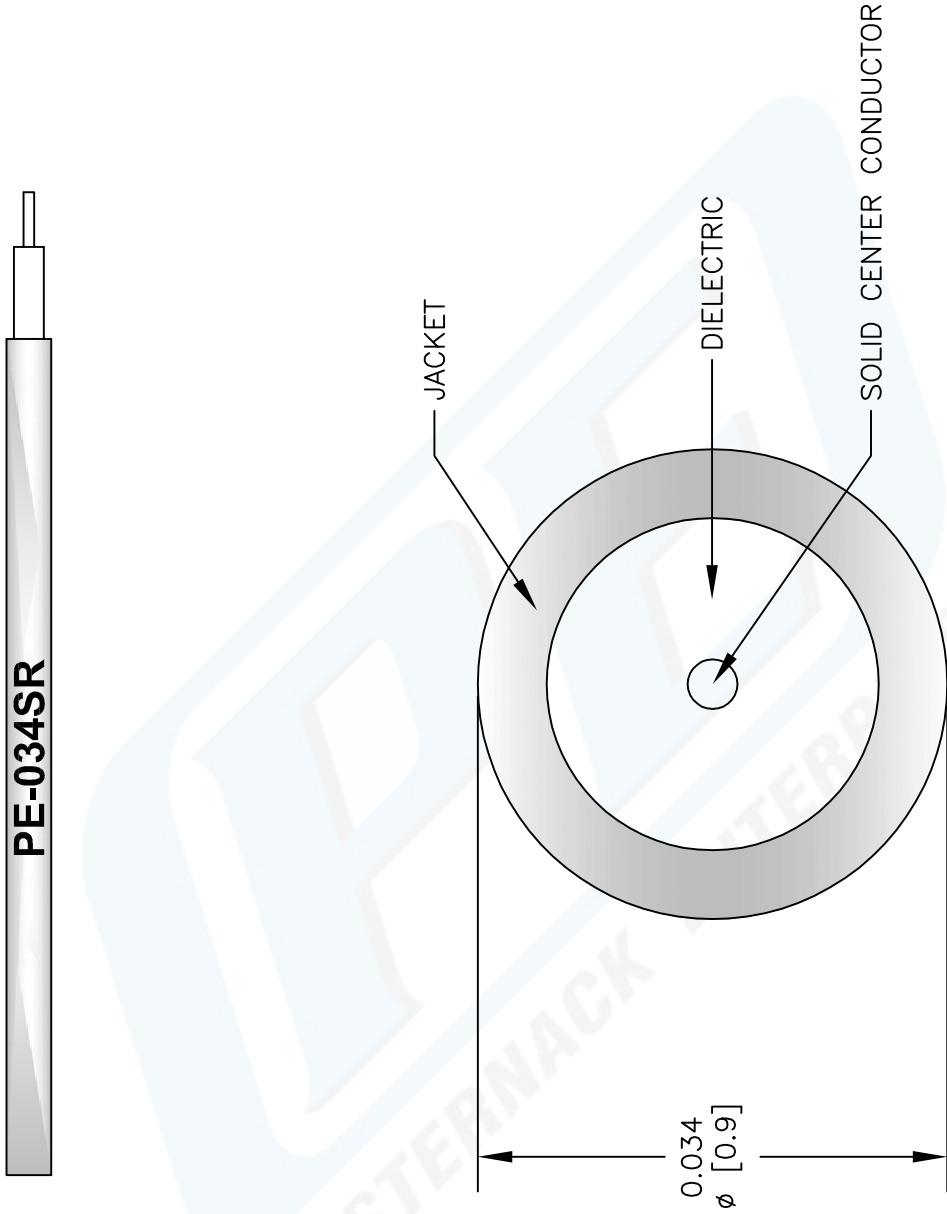
Notes:	Values at 25 °C, sea level
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [034 Semi-rigid Coax Cable with Copper Outer Conductor PE-034SR](#)

URL: <http://www.pasternack.com/semirigid-0.034-50-ohm-coax-cable-copper-pe-034sr-p.aspx>

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DWG TITLE		FSCM NO. 53919
PE-034SR		



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