



N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

PE4934

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-047SR, PE-SR047AL, PE-SR047FL Interface Type
- Solder/Solder Attachment

Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4934 type N male connector with solder/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL is part of our full line of RF components available for same-day shipping.

Our type N male connector PE4934 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	0.957 in [24.31 mm]
Width/Dia.	0.8 in [20.32 mm]
Weight	0.034 lbs [15.42 g]

Material Specifications

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE4934](#)



N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

RF Connectors Technical Data Sheet

PE4934

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL 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.

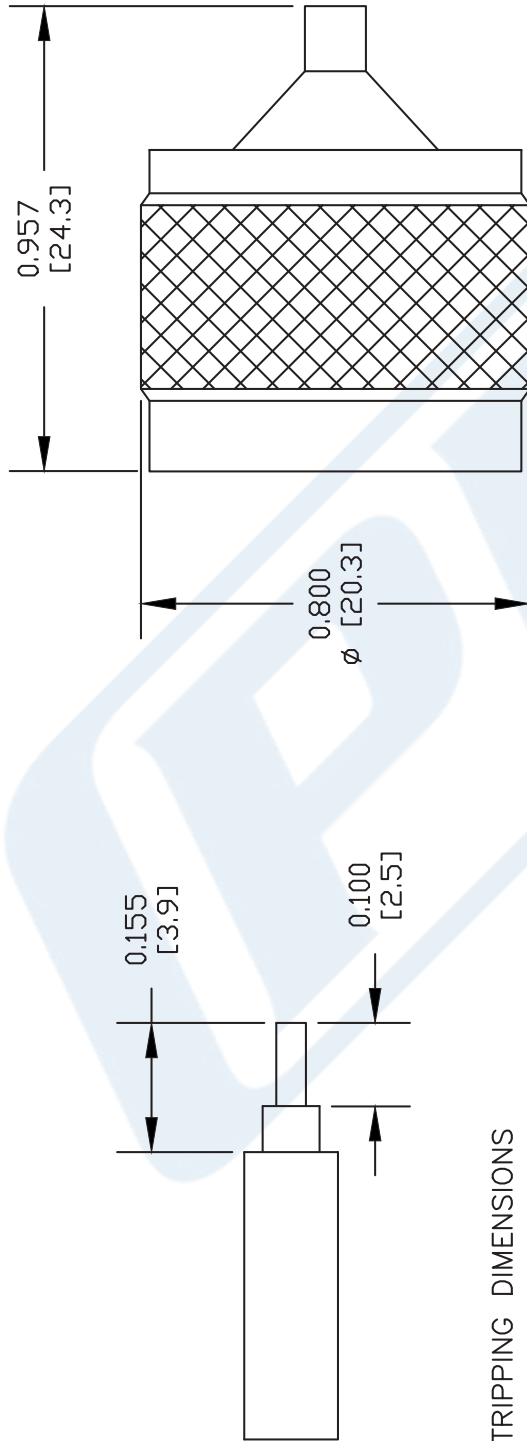
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE4934](#)

URL: <https://www.pasternack.com/n-male-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe4934-p.aspx>

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

PE4934 CAD Drawing

N Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THROUGH BODY.

INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.

USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. SOLDER OUTER CONDUCTOR TO BODY.



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

DWG TITLE

PE4934

FSCM NO. 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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE

042409

SCALE N/A

SIZE A

XXX



SMP Female Right Angle Connector Solder Attachment for PE-047SR, PE-SR047FL, PE-SR047AL

RF Connectors Technical Data Sheet

PE44911

Configuration

- SMP Female Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- PE-047SR, PE-SR047FL, PE-SR047AL Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 18 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204
- Blind Mate Connector

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44911 SMP female right angle connector with solder/solder attachment for PE-047SR, PE-SR047FL and PE-SR047AL is part of our full line of RF components available for same-day shipping. Our SMP female connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.25:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. Its right angle body geometry allows for easier connections in tight spaces.

Our SMP female right angle connector PE44911 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		18	GHz
VSWR			1.25:1	

Mechanical Specifications

Size

Length	0.231 in [5.87 mm]
Width/Dia.	0.136 in [3.45 mm]
Height	0.162 in [4.11 mm]
Weight	0.0025 lbs [1.13 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle Connector Solder Attachment for PE-047SR, PE-SR047FL, PE-SR047AL PE44911](#)



SMP Female Right Angle Connector Solder Attachment
for PE-047SR, PE-SR047FL, PE-SR047AL

RF Connectors Technical Data Sheet

PE44911

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Beryllium Copper	Gold MIL-G-45204

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

SMP Female Right Angle Connector Solder Attachment for PE-047SR, PE-SR047FL, PE-SR047AL 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.

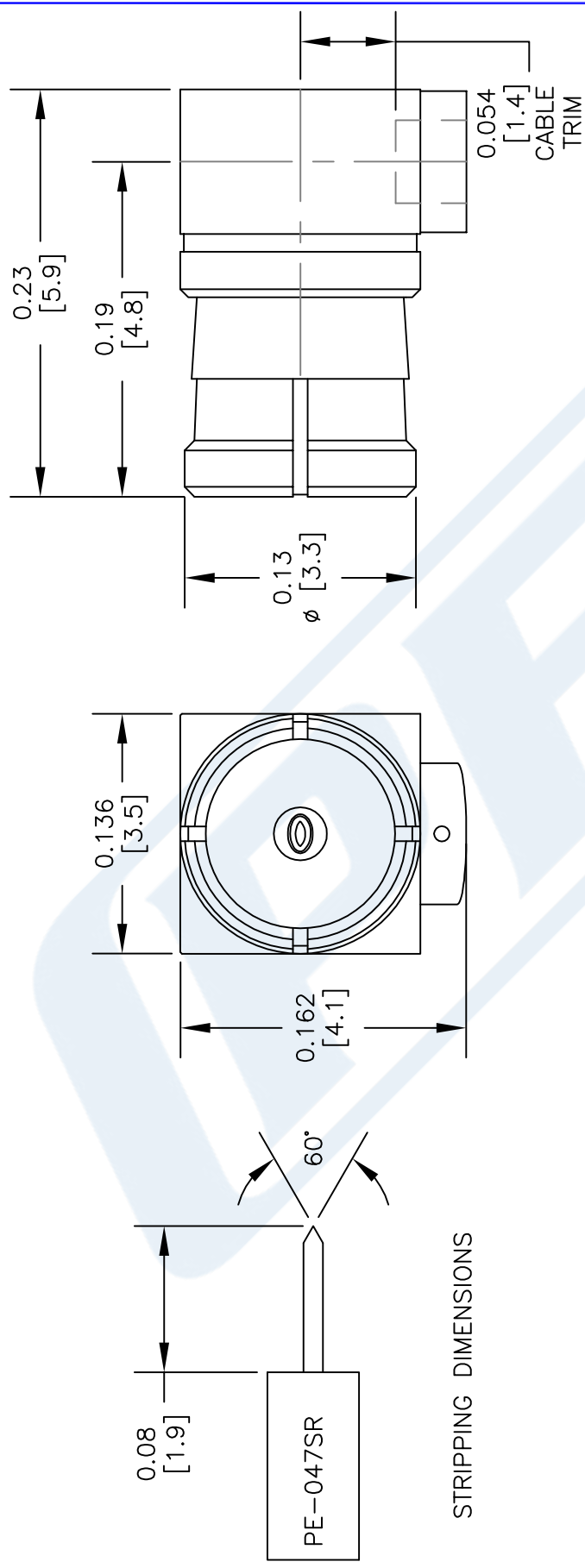
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle Connector Solder Attachment for PE-047SR, PE-SR047FL, PE-SR047AL PE44911](#)

URL: <https://www.pasternack.com/smp-female-standard-pe-047sr-pe-sr047fl-connector-pe44911-p.aspx>

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

PE44911 CAD Drawing

SMP Female Right Angle Connector Solder Attachment
for PE-047SR, PE-SR047FL, PE-SR047AL



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
PE44911

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 102813

FSCM NO. 53919

<

047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-047SR

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	40
Dielectric Withstanding Voltage, Vrms	2,000

Electrical Specifications by Frequency**Frequency 1**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	40 [131.23]
Power Handling, Watts	32

Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	130 [426.51]
Power Handling, Watts	9

Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	190 [623.36]
Power Handling, Watts	6.5

Mechanical Specifications**Temperature**

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

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.011 [0.28]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.037 [0.94]

Shield:

Number of	1
Material 1	Copper
Diameter, in [mm]	0.047 [1.19]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](#)

047 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

PE-047SR

Jacket:

Diameter, in [mm]	0.047 [1.19]
One Time Minimum Bend Radius, in [mm]	0.05 [1.27]
Weight, lbs/ft [Kg/m]	0.005 [0.01]

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

RoHS Compliant	
REACH Compliant	12/19/2011

Plotted and Other Data

Notes:

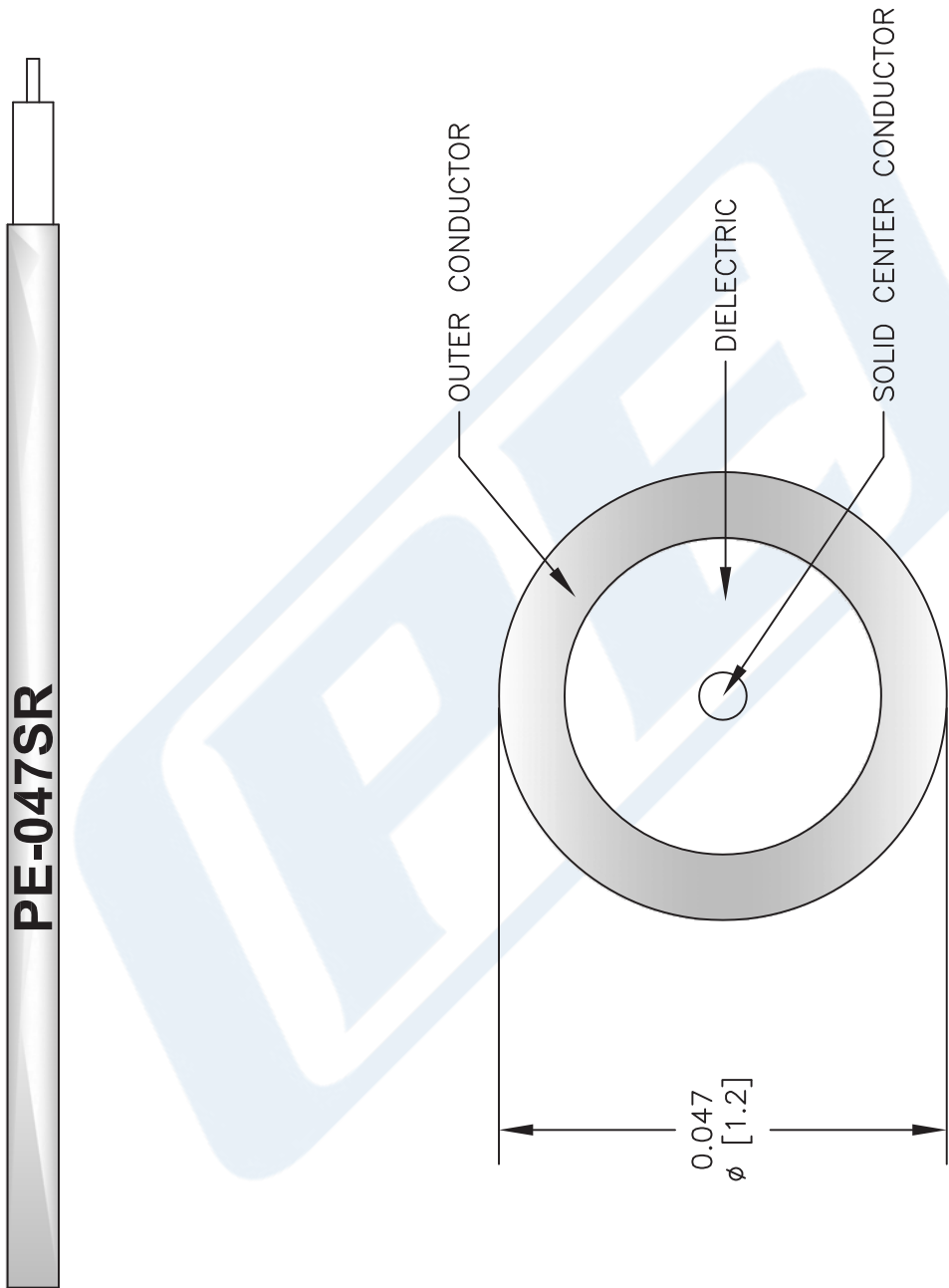
- Values at +25 °C, sea level

047 Semi-rigid Coax Cable with Copper Outer Conductor 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: [047 Semi-rigid Coax Cable with Copper Outer Conductor PE-047SR](http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx)

URL: <http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-copper-pe-047sr-p.aspx>

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



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].

DWG TITLE	PE-047SR			
	FSCM NO.	53919	CAD FILE	073113
			SCALE	N/A
			SIZE	A
				2233



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