



SMA Female Connector Solder Attachment 2 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .481 inch Hole Spacing

RF Connectors Technical Data Sheet

PE4547

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: PE-047SR, PE-SR047AL, PE-SR047FL
- 2 Hole Flange

Features

- Max. Operating Frequency 18 GHz
- Good VSWR of 1.5:1

- Gold over Nickel Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications

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

Description

Pasternack's PE4547 SMA female 2 hole flange mount connector with solder/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL (.481 inch hole spacing) is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz and offers good VSWR of 1.5:1. This SMA 2 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 SMA female 2 hole flange connector PE4547 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			1.5:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.439 in [11.15 mm]
Width/Dia.	0.223 in [5.66 mm]
Height	0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Solder Attachment 2 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .481 inch Hole Spacing PE4547](#)



SMA Female Connector Solder Attachment 2 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .481 inch Hole Spacing

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PE4547

Weight 0.005 lbs [2.27 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE	
Outer Conductor	Stainless Steel	Gold MIL-G-45204
Body	Stainless Steel	Gold over Nickel MIL-G-45204

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

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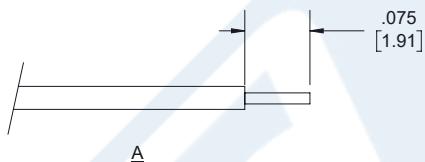
SMA Female Connector Solder Attachment
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RF Connectors
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PE4547

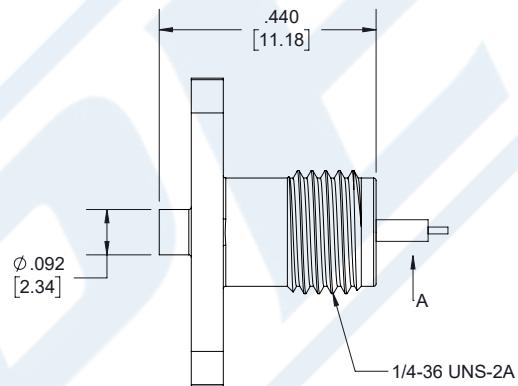
Assembly Instruction

1. STRIP CABLE AS SHOWN,
DO NOT NICK CENTER CONDUCTOR.

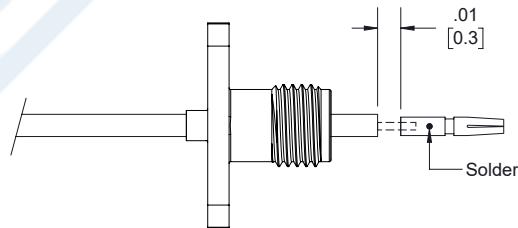


A

2. SLIDE CABLE THROUGH THE CONNECTOR.



3. SOLDER CENTER CONDUCTORS TO CONTACT AND
WITH THE TOOL PESTL1008 .INSERT IT IN THE CONTACT AND
PUSH IT BACK UNTIL STOPS ON THE DIELECTRIC AND SOLDER.



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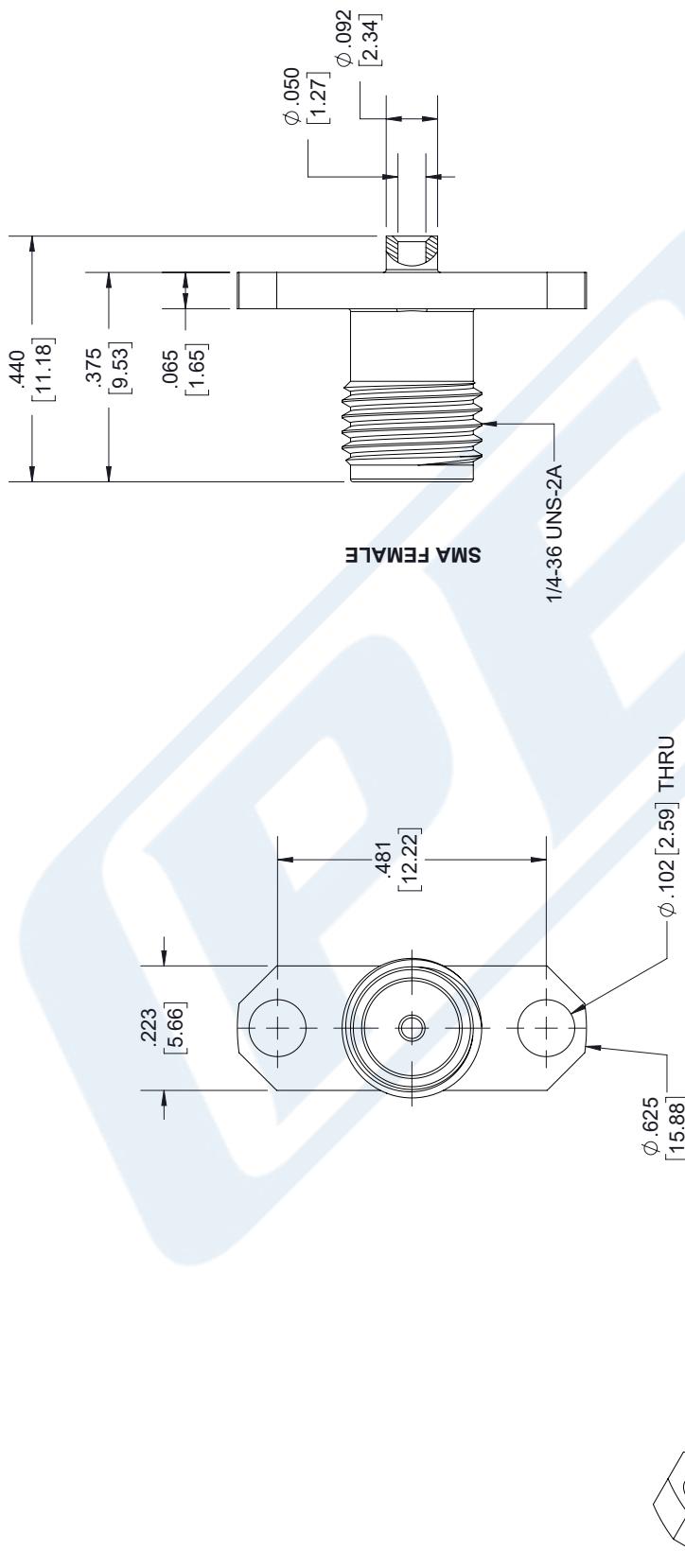
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PE4547 CAD Drawing

SMA Female Connector Solder Attachment 2 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .481 inch Hole Spacing

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
B	PCR PE4547 20210916 - Separate Instructions page	05/11/2021	SRAUTUS	



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PASTERNACK Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Website: www.pasternack.com E-mail: sales@pasternack.com		SHEET 1 OF 2
SCALE N/A	ITEM NO. PE4547	REV. B
SIZE A	CAGE CODE 53919	DRAWN BY kcang

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS
TOLERANCES:

FRACTIONS
 $X = \pm 2$ [5.08] $\frac{1}{32}$
 $XX = \pm .02$ [.51] $\pm 1/32$
 $XXX = \pm .005$ [.13] ANGLES $\pm 1^\circ$
 CABLE LENGTH (L) TOLERANCES:
 $L \leq 12$ [305] $+1/-0$
 $12 [305] < L \leq 60$ [1524] $+2/-1$ [51] -0
 $60 [1524] < L \leq 120$ [3048] $+4/-1$ [102] -0
 $120 [3048] < L \leq 300$ [7620] $+6/-1$ [52] -0
 $300 [7620] < L = 450$ [1143] -0
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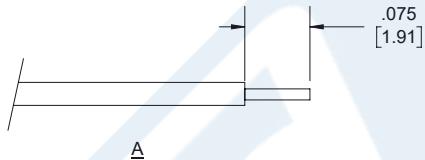


RF Connectors
Technical Data Sheet

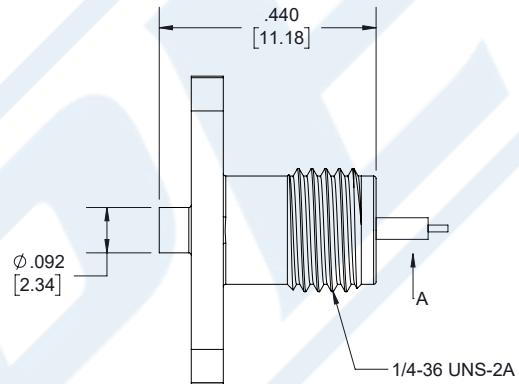
PE4547

Assembly Instruction

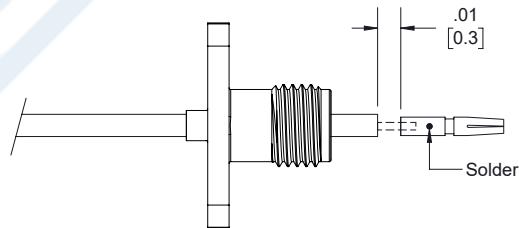
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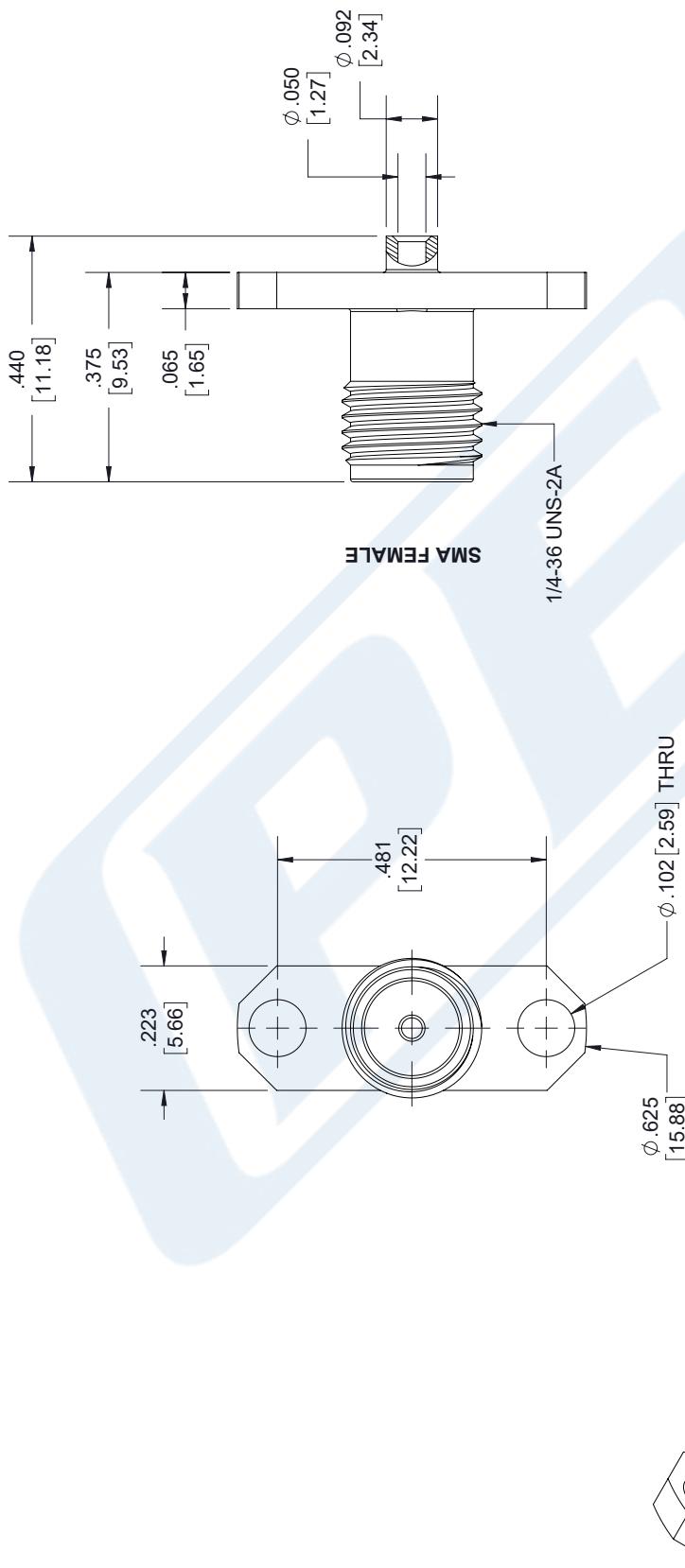
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SHEET 1 OF 2		
SCALE	N/A	REV B
SIZE	ITEM NO.	
A	53919	PE4547

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS
TOLERANCES:

FRACTIONS
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 $300 [7620] < L = +5/-6$ [L] -0

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047 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR047AL

047 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	20
RF Shielding, dB	90
Maximum Operating Voltage, Volts	1,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	41 [134.51]
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
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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]

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 Tinned Aluminum Outer Conductor PE-SR047AL](#)

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047 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

TECHNICAL DATA SHEET

PE-SR047AL

Shield:

Number of
Material 1

1
Tinned Aluminum

Jacket:

Diameter, in [mm]

0.047 [1.19]

One Time Minimum Bend Radius, in [mm]

0.05 [1.27]

Weight, lbs/ft [Kg/m]

0.002 [0]

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

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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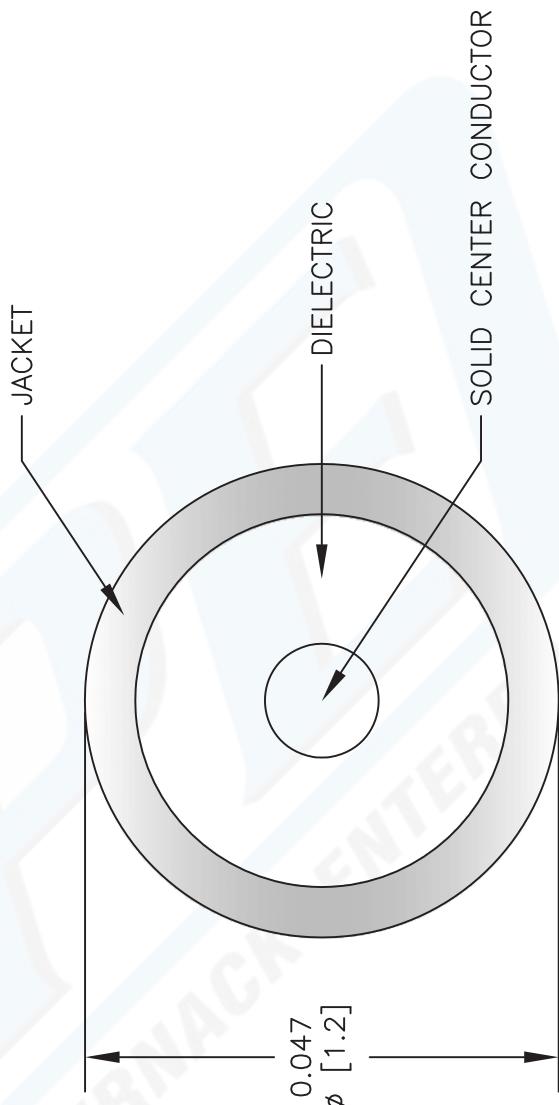
URL: <http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-tinned-aluminum-pe-sr047al-p.aspx>

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PE-SR047AL CAD Drawing

047 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

PE-SR047AL



PE-SR047AL

DWG TITLE

PE-SR047AL

PE PASTERNACK®

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

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

FSM NO.	CAD FILE	SCALE	SIZE	REV
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