



Mini SMP Female Connector Solder Attachment
for PE-047SR, PE-SR047FL

TECHNICAL DATA SHEET

PE44971

Configuration

| | |
|------------------------------------|----------------------|
| Connector | Mini SMP Female |
| Connector Specification | MIL-STD-348 |
| Connector Interface Type | PE-047SR, PE-SR047FL |
| Attachment Method (Shield/Contact) | Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|-----------|---------|
| Impedance | 50 Ohms |
|-----------|---------|

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 0.29 in [7.37 mm] |
| Width/Dia. | 0.125 in [3.18 mm] |
| Weight | 0.082 lbs [37.19 g] |

Connector

| | |
|-------------------------------|------------------------|
| Type | Mini SMP Female |
| Contact Material and Plating | Beryllium Copper, Gold |
| Contact Plating Specification | MIL-G-45204 |
| Body Material and Plating | Beryllium Copper, Gold |
| Body Plating Specification | MIL-G-45204 |
| Dielectric Type | PTFE |

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Connector Solder Attachment for PE-047SR, PE-SR047FL PE44971](#)



Mini SMP Female Connector Solder Attachment for PE-047SR, PE-SR047FL

TECHNICAL DATA SHEET

PE44971

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Mini SMP Female Connector Solder Attachment for PE-047SR, 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.

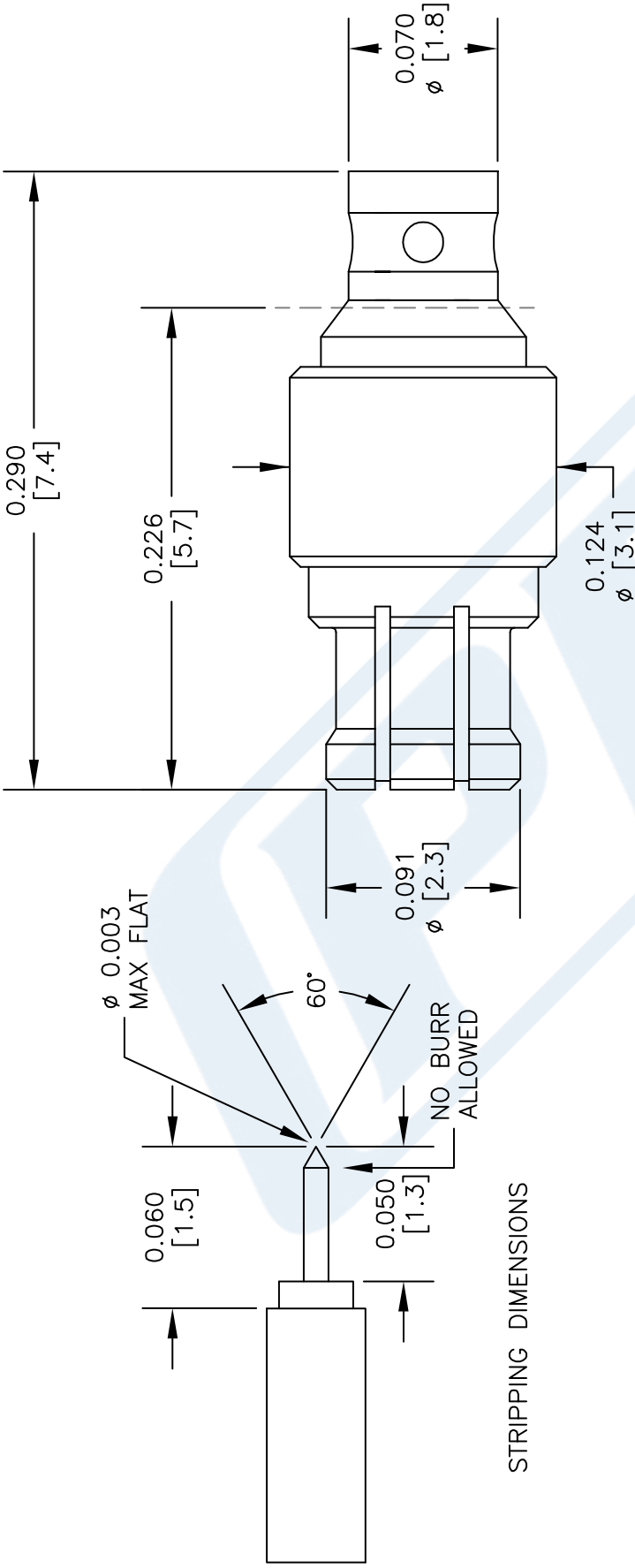
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URL: <http://www.pasternack.com/mini-smp-female-standard-pe-047sr-pe-sr047fl-connector-pe44971-p.aspx>

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PE44971 CAD Drawing

Mini SMP Female Connector Solder Attachment for PE-047SR, PE-SR047FL



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
PE44971

FSCM NO. 53919

CAD FILE 110413
SCALE N/A
SIZE A 150

PE PASTERNAK
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SMA Female Connector Solder Attachment
4 Hole Flange Mount for PE-047SR, PE-SR047AL,
PE-SR047FL, .340 inch Hole Spacing

RF Connectors Technical Data Sheet

PE4548

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-047SR, PE-SR047AL, PE-SR047FL Interface Type
- Solder/Solder Attachment
- 4 Hole Flange

Features

- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications

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

Description

Pasternack's PE4548 SMA female 4 hole flange mount connector with solder/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL (.340 inch hole spacing) is part of our full line of RF components available for same-day shipping. This SMA 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 SMA female 4 hole flange connector PE4548 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 | 0.44 in [11.18 mm] |
| Width/Dia. | 0.5 in [12.70 mm] |
| Height | 0.5 in [12.7 mm] |
| Weight | 0.008 lbs [3.63 g] |

Material Specifications

| Description | Material | Plating |
|-------------|------------------|------------------------------------|
| Contact | Beryllium Copper | Gold over Nickel 50 µin minimum |
| Insulation | PTFE | |
| Body | Stainless Steel | Gold over Nickel 50 µin minimum |

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 4 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .340 inch Hole Spacing PE4548](#)



SMA Female Connector Solder Attachment
4 Hole Flange Mount for PE-047SR, PE-SR047AL,
PE-SR047FL, .340 inch Hole Spacing

RF Connectors Technical Data Sheet

PE4548

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

Plotted and Other Data

Notes:

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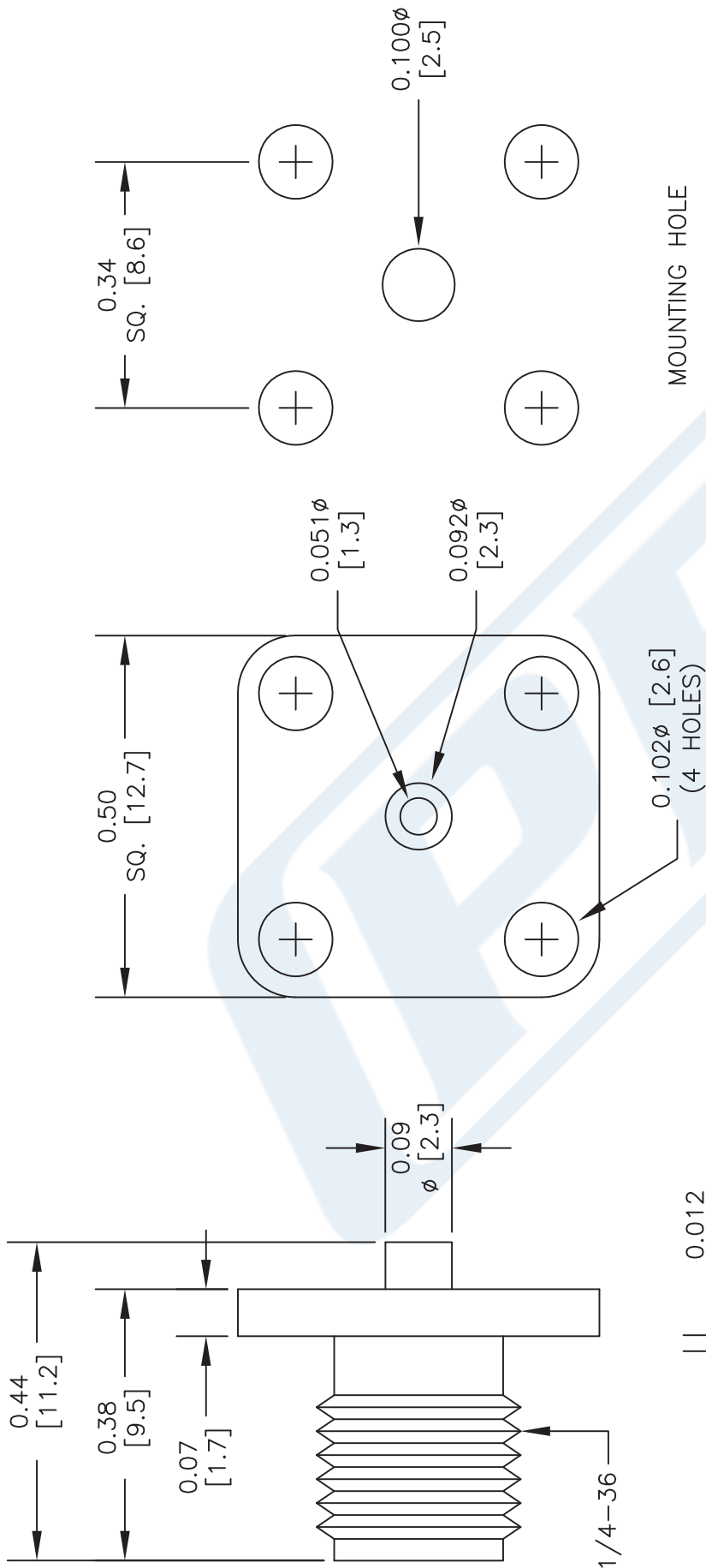
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Solder Attachment 4 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .340 inch Hole Spacing PE4548](#)

URL: <https://www.pasternack.com/sma-female-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe4548-p.aspx>

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PE4548 CAD Drawing

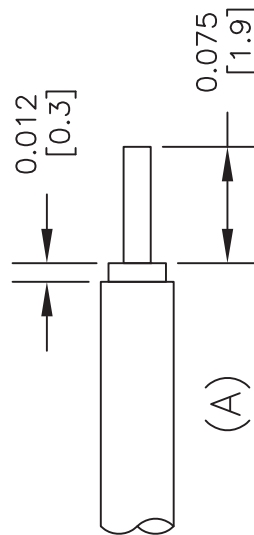
SMA Female Connector Solder Attachment 4 Hole Flange Mount for PE-047SR, PE-SR047AL, PE-SR047FL, .340 inch Hole Spacing



MOUNTING HOLE

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTE CONDUCTOR.
SLIDE CABLE THROUGH THE CONNECTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. PULL DOWN ON CABLE TILL CONTACT IS FLUSH WITH DIELECTRIC.
SOLDER OUTER CONDUCTOR TO BODY.



(A)



(B)

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DWG TITLE

PE4548

FSCM NO. 53919

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

CAD FILE

091013

SCALE N/A

SIZE A

2233

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:

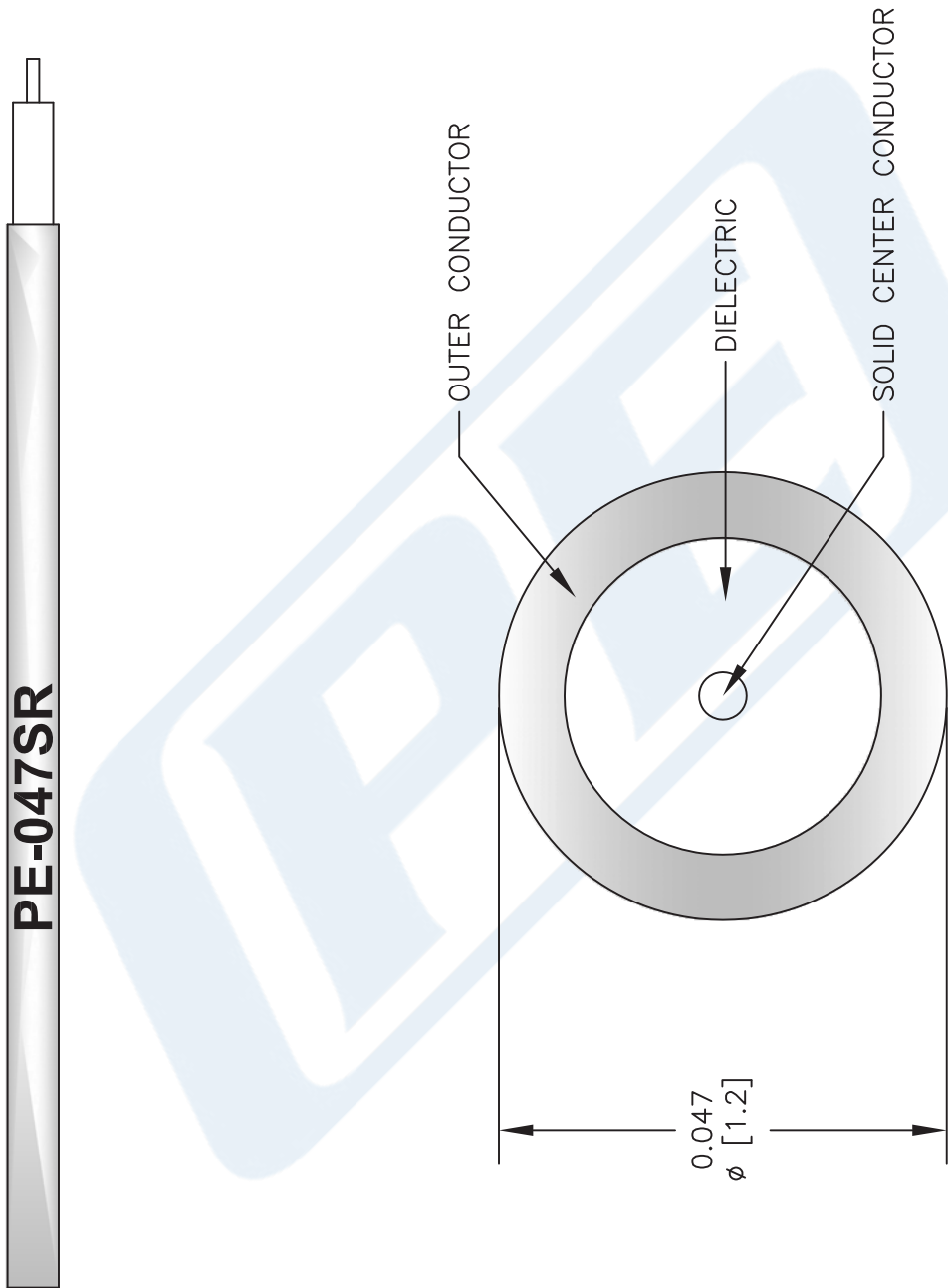
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| | | | | |
|-----------|----------|-------|----------|--------|
| DWG TITLE | PE-047SR | | | |
| | FSCM NO. | 53919 | CAD FILE | 073113 |
| | | | SCALE | N/A |
| | | | SIZE | A |
| | | | | 2233 |



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