



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

RF Connectors Technical Data Sheet

PE44971

Configuration

- Mini SMP Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-047SR, PE-SR047FL Interface Type
- Solder Attachment

Features

- 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 PE44971 Mini SMP female connector with solder attachment for PE-047SR and PE-SR047FL is part of our full line of RF components available for same-day shipping. 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.

Our Mini SMP female connector PE44971 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

0.29 in [7.37 mm]

Width/Dia.

0.125 in [3.18 mm]

Weight

0.002 lbs [0.91 g]

Material Specifications

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

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

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Environmental Specifications

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

Plotted and Other Data

Notes:

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 99.4% availability and are part of the broadest selection in the industry.

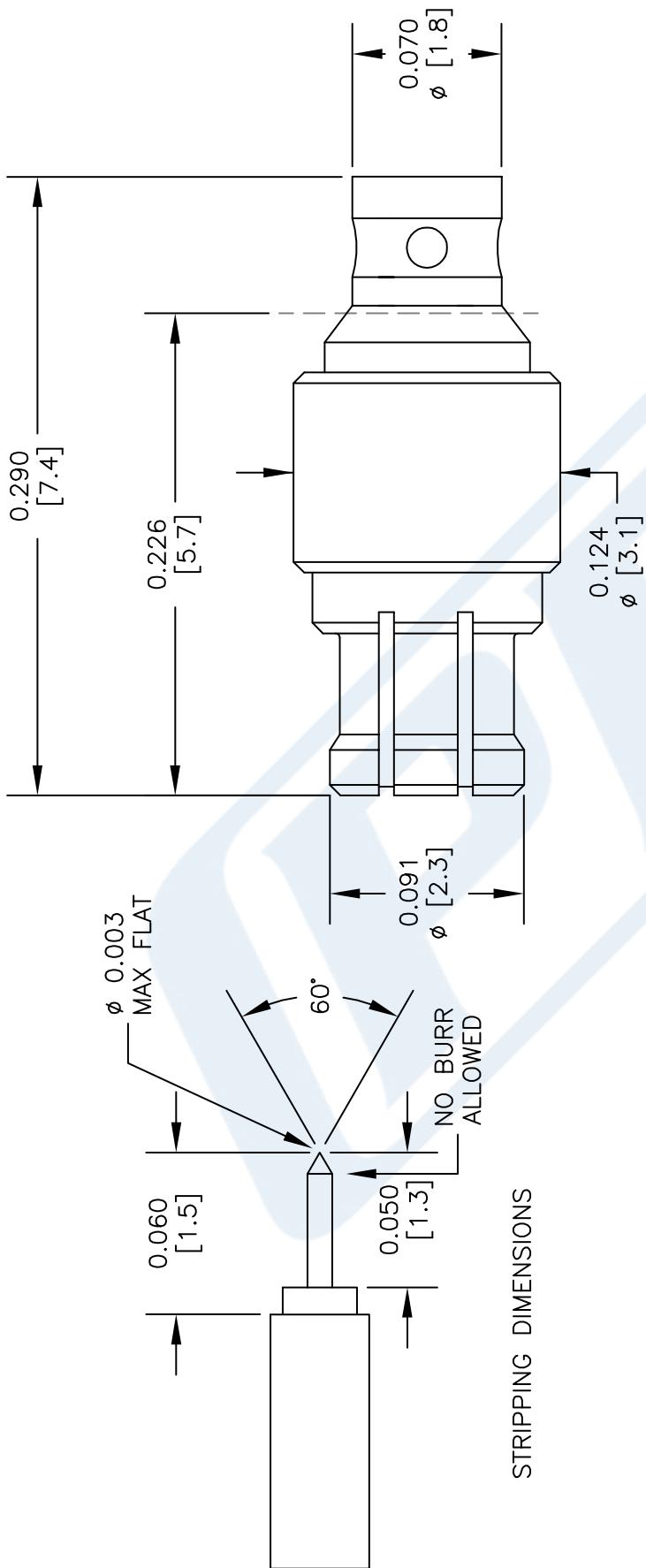
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Connector Solder Attachment for PE-047SR, PE-SR047FL PE44971](#)

URL: <https://www.pasternack.com/mini-smp-female-standard-pe-047sr-pe-sr047fl-connector-pe44971-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.

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 |

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|---|
| 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 |
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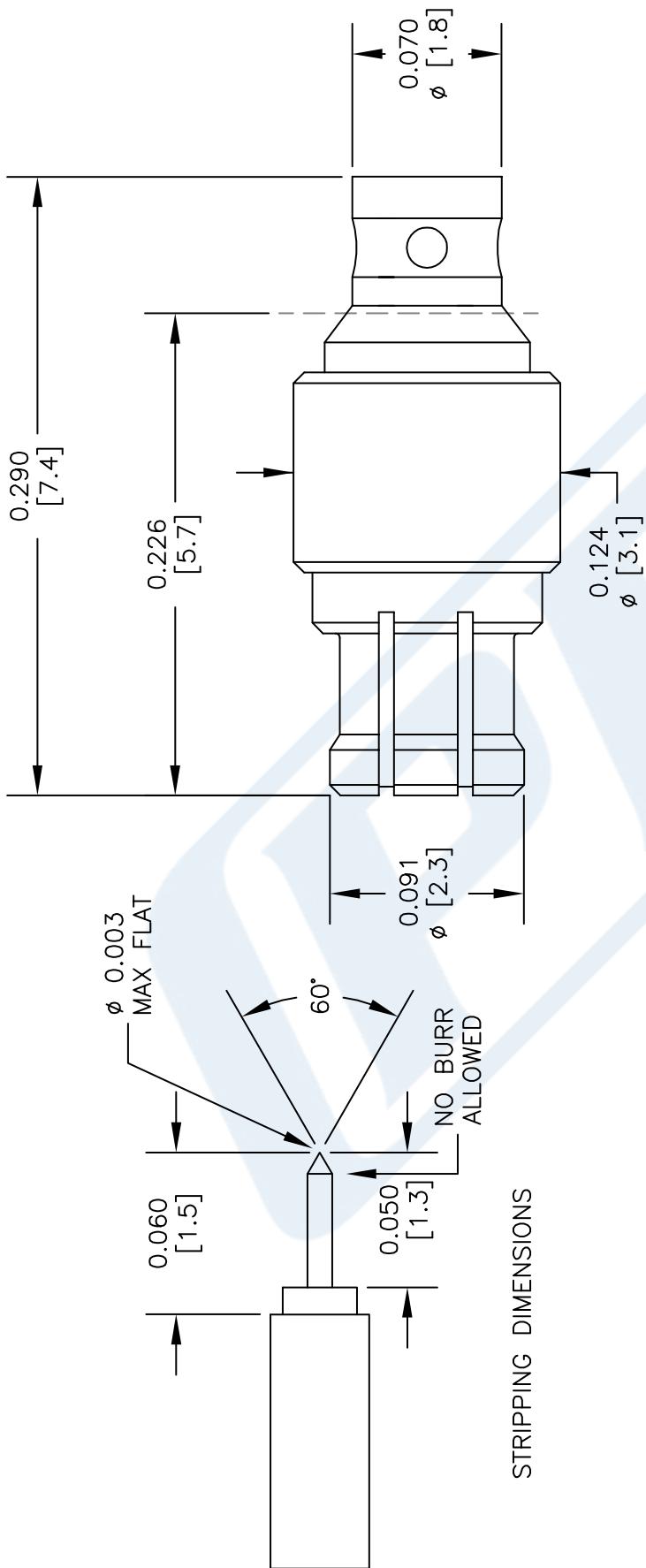
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| FSCM NO. 53919 | CAD FILE 110413 SCALE N/A SIZE A 150 |

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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 |
|------------------------|-------------|

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]
One Time Minimum Bend Radius, in [mm]
Weight, lbs/ft [Kg/m]

0.047 [1.19]
0.05 [1.27]
0.002 [0]

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

Plotted and Other Data

Notes:

Values at 25 °C, sea level

047 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 Tinned Aluminum Outer Conductor PE-SR047AL](#)

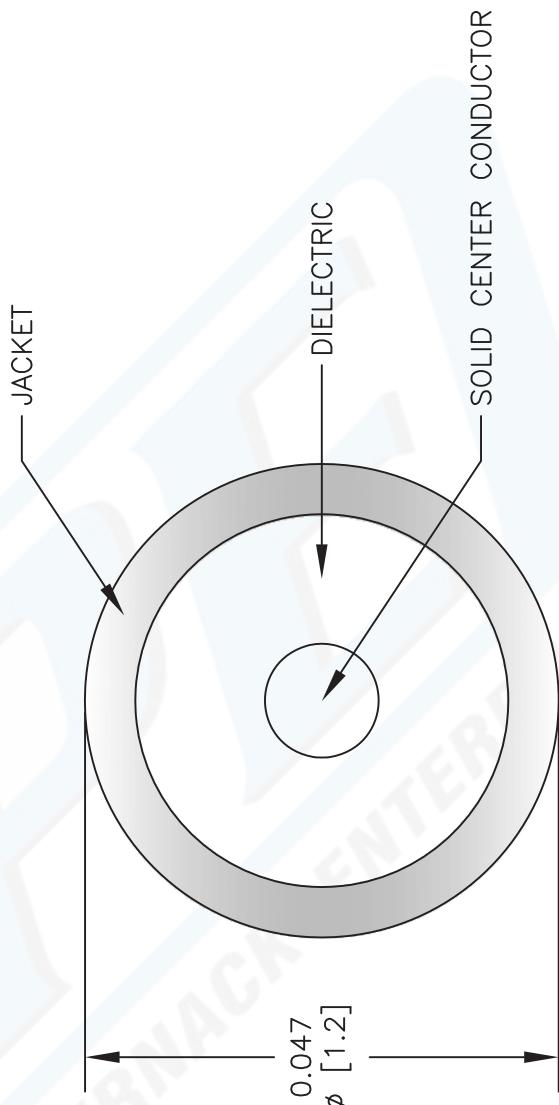
URL: <http://www.pasternack.com/semirigid-0.047-50-ohm-coax-cable-tinned-aluminum-pe-sr047al-p.aspx>

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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

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| FSM NO. | CAD FILE | SCALE | SIZE | REV |
|---------|----------|-------|------|------|
| 53919 | 103112-B | N/A | A | 2233 |