



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
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**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](http://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.

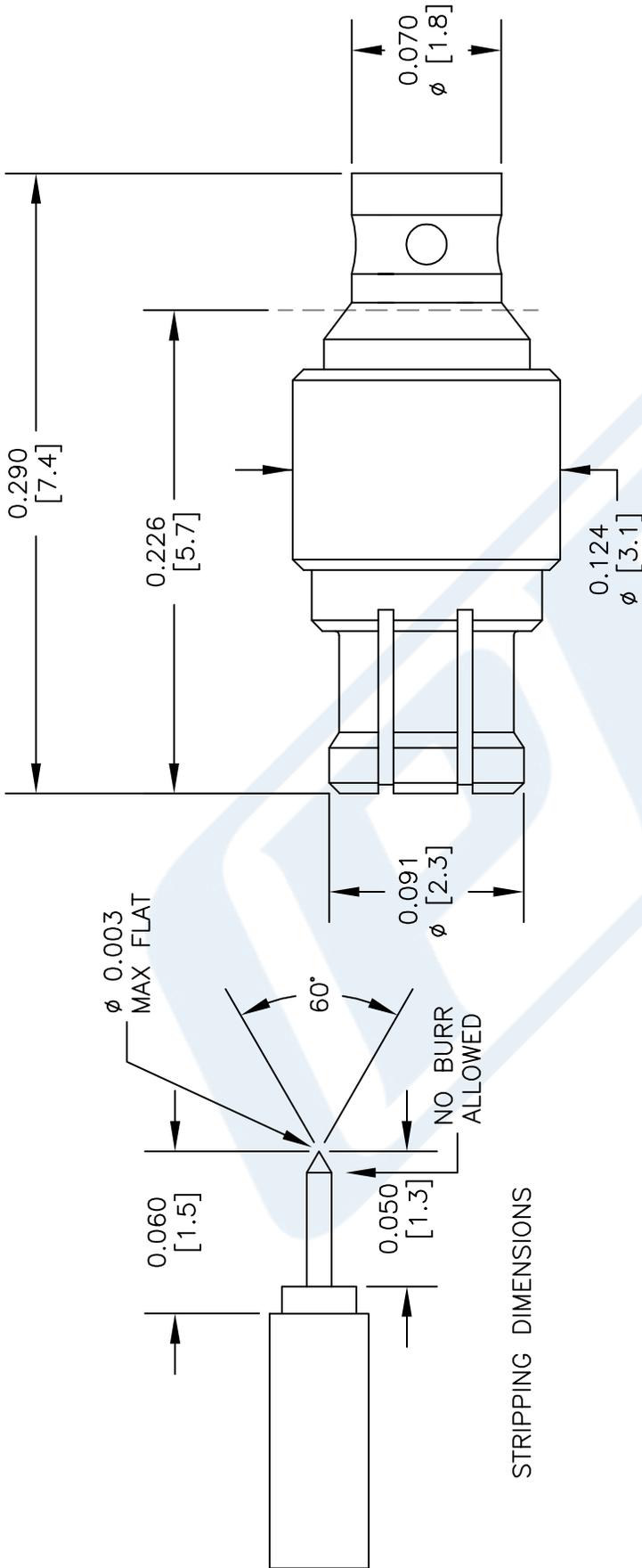
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URL: <http://www.pasternack.com/mini-smp-female-standard-pe-047sr-pe-sr047fl-connector-pe44971-p.aspx>

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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**  
 Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
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 Website: www.pasternack.com | E-Mail: sales@pasternack.com



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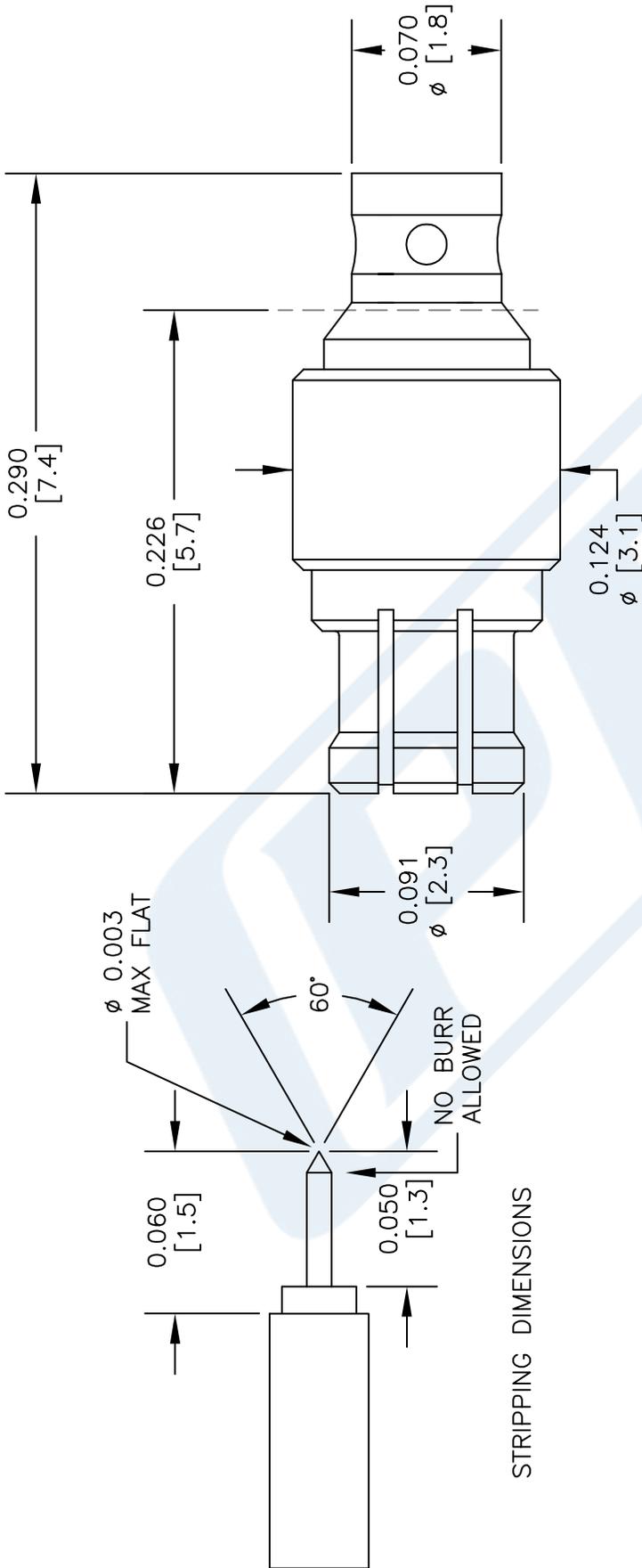
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DWG TITLE  
**PE44971**

FSCM NO. 53919

CAD FILE 110413

SCALE N/A

SIZE A

150

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## 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
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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]

##### 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](http://www.Pasternack.com) for current document)

RoHS Compliant	
REACH Compliant	12/19/2011

**Plotted and Other Data**

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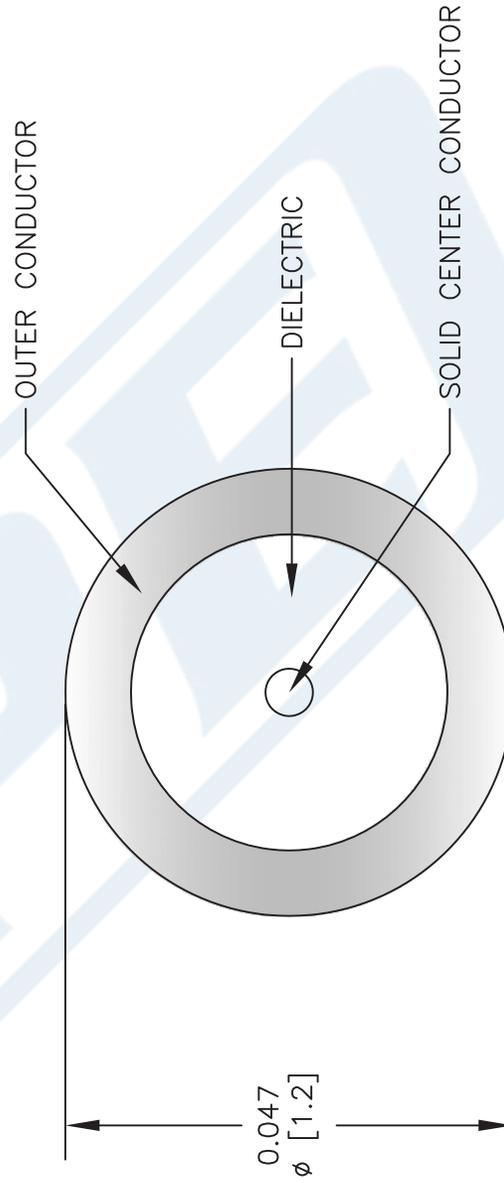
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# PE-047SR CAD Drawing

047 Semi-rigid Coax Cable with Copper Outer Conductor



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DWG TITLE  
**PE-047SR**

FSCM NO. 53919

CAD FILE 073113

SCALE N/A

SIZE A

2233

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