



## SMP Female Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz

### TECHNICAL DATA SHEET

PE44771

#### **SMP Female Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz**

Pasternack 8 GHz SMP connectors are designed to offer a low cost alternative where the SMP form factor is desired but the standard SMP frequency range is not needed. The line of 8 GHz SMP connectors is fully compatible with industry standard SMP and GPO® connectors. These SMP connectors offer a low cost high performance blind-mate solution for lower frequency applications. The Male versions of the 8 GHz SMP is available in Full Detent, Limited Detent, and Smooth Bore versions.

- Fully compatible with industry standard SMP and GPO® connectors
- Full Detent, Limited Detent, and Smooth Bore Male designs
- Glass Bead Hermetic Sealed Male Shroud versions available
- DC to 8 GHz with excellent VSWR and RF Leakage performance

#### **Configuration**

Connector	SMP Female
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-047SR, PE-SR047AL, PE-SR047FL
Cable Attachment Method (Shield/Contact)	Solder
Body Style	Straight

#### **Electrical Specifications**

Frequency Range, GHz	DC to 8
Impedance, Ohms	50
Maximum VSWR	1.1:1

#### **Mechanical Specifications**

Temperature	
Operating Range, deg C	-55 to +155
Size	
Length, in [mm]	0.262 [6.65]

#### **Connector**

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

#### **Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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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: [SMP Female Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz PE44771](#)

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.



## SMP Female Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz

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#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

GPO® is a Registered Trademark of Corning Gilbert Inc.

SMP Female Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz 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.

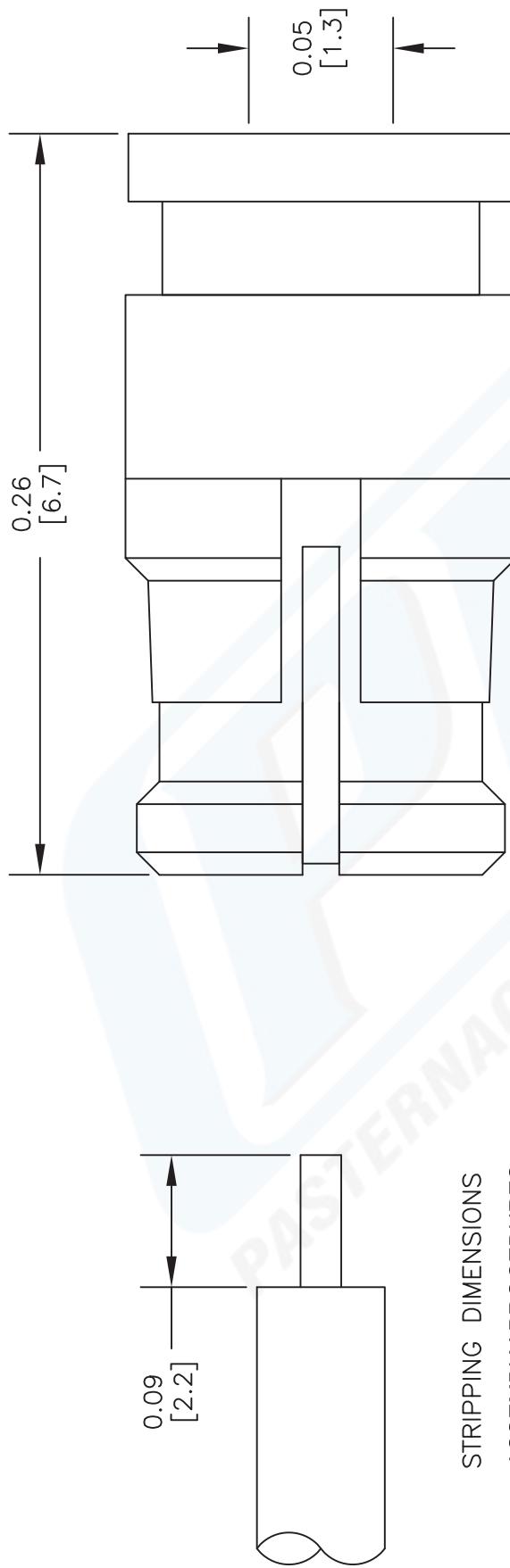
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URL: <http://www.pasternack.com/smp-female-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe44771-p.aspx>

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# PE44771 CAD Drawing

SMP Female Connector Solder Attachment For PE-047SR,  
PE-SR047AL, PE-SR047FL, Up To 8 GHz



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	PE44771	SCALE	N/A	SIZE	A	2233
PASTERNACK® Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>	FSCM NO. 53919	CAD FILE	030812			



## SMP Female Right Angle Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz

### TECHNICAL DATA SHEET

PE44773

#### SMP Female Right Angle Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz

##### Configuration

Connector	SMP Female
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-047SR,PE-SR047AL,PE-SR047FL
Cable Attachment Method (Shield/Contact)	Solder
Body Style	Right Angle

##### Electrical Specifications

Frequency Range, GHz	DC to 8
Impedance, Ohms	50
Maximum VSWR	1.1:1

##### Mechanical Specifications

Temperature	
Operating Range, deg C	-55 to +155
Size	
Length, in [mm]	0.28 [7.11]
Width/Dia., in [mm]	0.187 [4.75]

##### Connector

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

##### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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## SMP Female Right Angle Connector Solder Attachment For PE-047SR, PE-SR047AL, PE-SR047FL, Up To 8 GHz

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#### Plotted and Other Data

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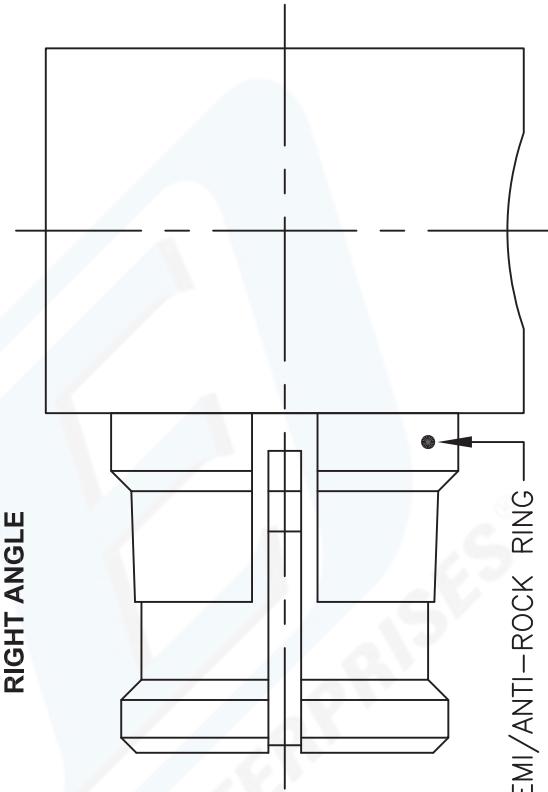
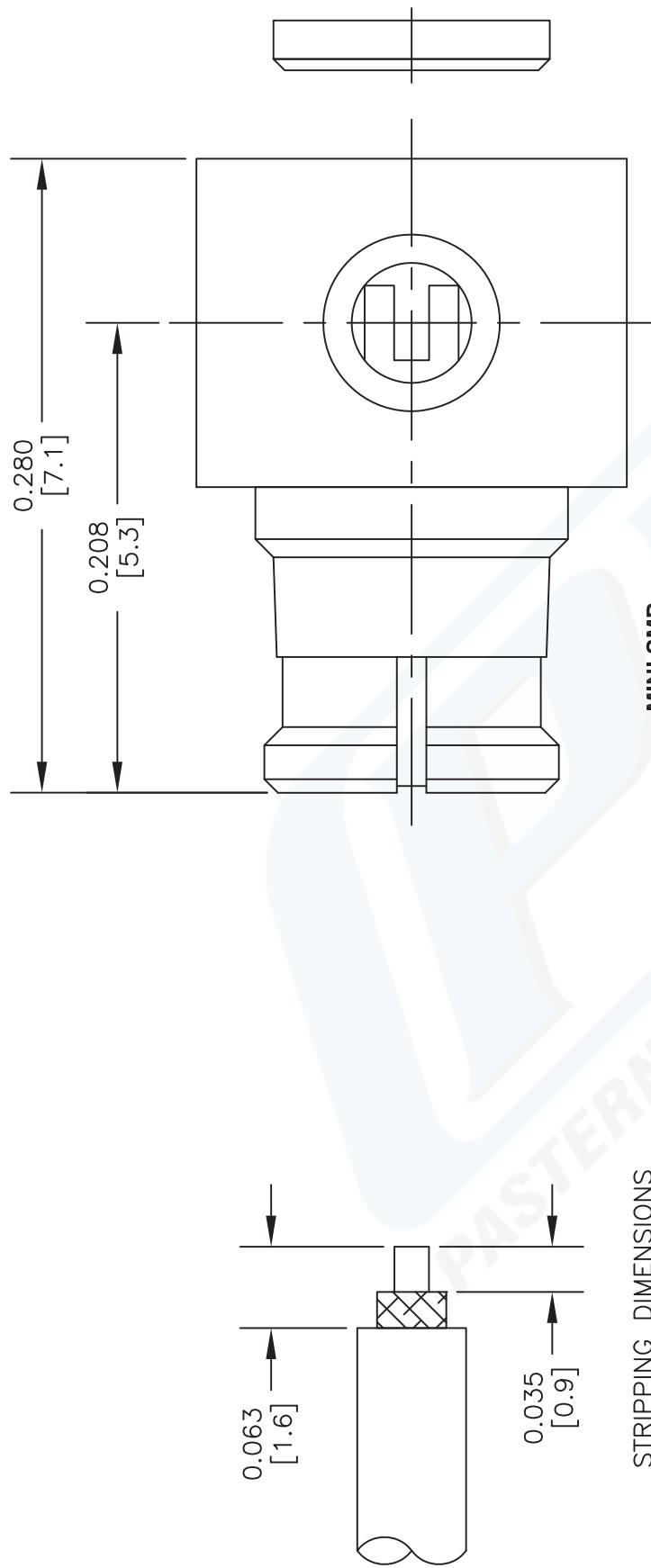
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DWG TITLE	PE44773	SCALE N/A	SIZE A	2233
FSCM NO.	53919	CAD FILE	031213	

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## Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### TECHNICAL DATA SHEET

**PE-SR047FL**

#### Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

##### Configuration

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

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	32 [104.99]

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	25 [82.02]

###### Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	36 [118.11]

###### Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	65 [213.25]

###### Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	86 [282.15]

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-40 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]	0.034 [0.86]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

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## Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### TECHNICAL DATA SHEET

PE-SR047FL

**Shield:**

Number of  
Material 1

1

Tinned Copper Braid

**Jacket:**

Diameter, in [mm]

0.047 [1.19]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid 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.

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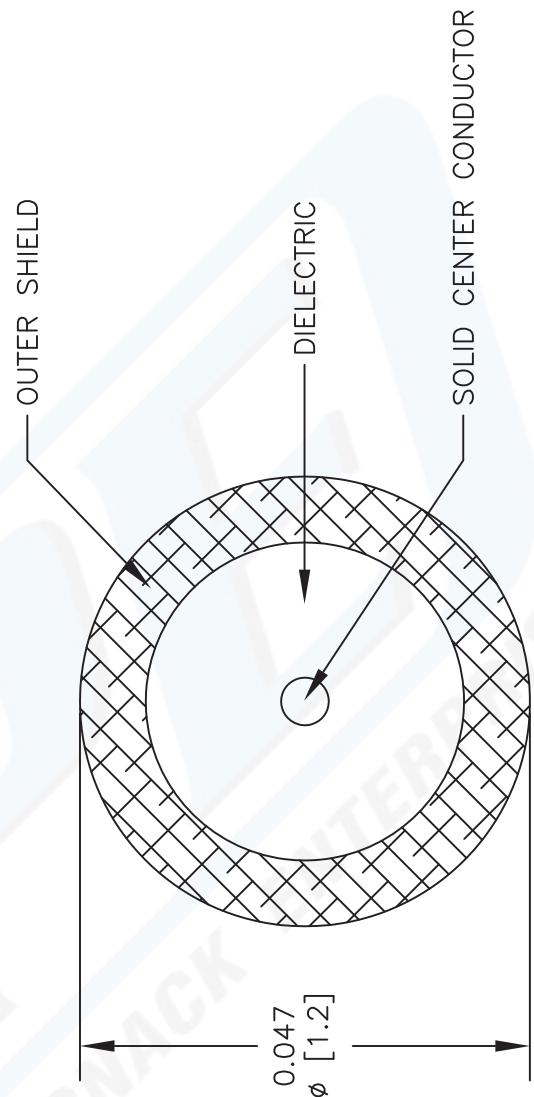
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# PE-SR047FL CAD Drawing

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

**PE-SR047FL**



**PE-SR047FL**

DWG TITLE

**PE-SR047FL**

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53919	050113	N/A	A	