

## 2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



### PE51272

#### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid

#### Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE51272 Right Angle, 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 2.92mm male right angle connector PE51272 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		40	GHz
VSWR			1.35:1	
Insertion Loss			0.253	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

Electrical Specification Notes:  
Insertion loss is =  $0.04 \cdot \sqrt{F(\text{GHz})}$  dB

#### Mechanical Specifications

##### Size

Length	0.704724 in [17.9 mm]
Width	0.291339 in [7.4 mm]
Height	0.80315 in [20.4 mm]
Weight	0.015 lbs [6.8 g]

## 2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



### PE51272

Mating Cycles	5,000 Cycles
Mating Torque	11.47 to 15 in-lbs [[1.30 to 1.70 Nm]]
Cable Retention Force	4.9 lbs [2.22 kg]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Solder Sleeve	Brass	Tri-Metal

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +105 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

### Plotted and Other Data

Notes:

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid 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.

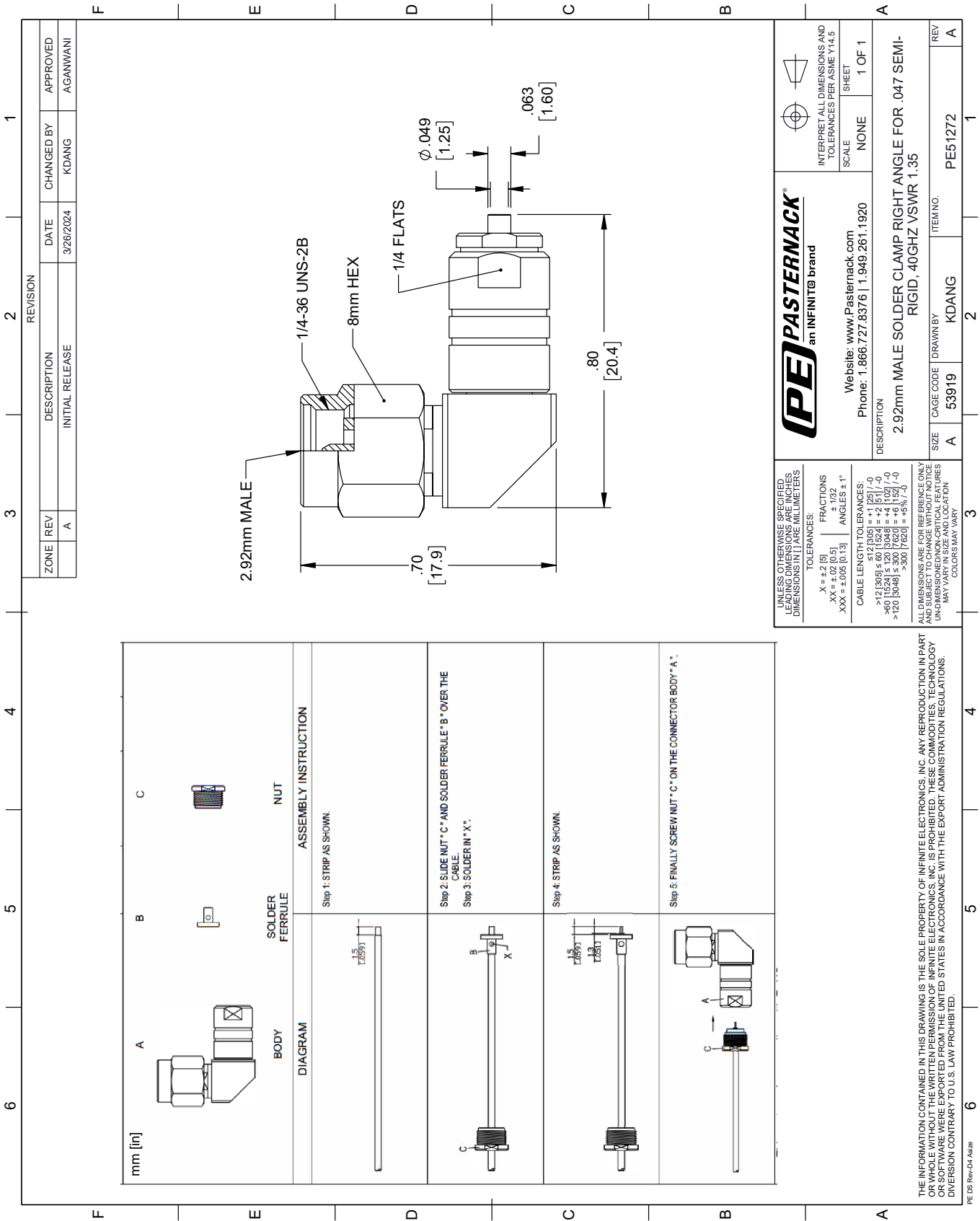
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid PE51272](#)

URL: <https://www.pasternack.com/2.92mm-male-pe-047sr-pe-p047-pe-sr047al-connector-pe51272-p.aspx>

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PE51272 CAD Drawing

2.92mm Male Right Angle Connector Clamp/Solder Attachment for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



## 2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid

### PE51274

#### Configuration

- 2.92mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid
- 2 Hole Flange

#### Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

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

#### Description

Pasternack's PE51274, 2.92mm, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 2.92mm female connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. This 2.92mm 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 2.92mm female 2 hole flange connector PE51274 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		40	GHz
VSWR			1.25:1	
Insertion Loss			0.253	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	100			dB
Impedance		50		Ohms

Electrical Specification Notes:

Insertion loss is =  $0.04 \times \sqrt{F(\text{GHz})}$  dB

#### Mechanical Specifications

##### Size

Length 0.244094 in [6.2 mm]  
Width 0.244094 in [6.2 mm]

## 2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid

### PE51274

Height	0.606299 in [15.4 mm]
Weight	0.015 lbs [6.8 g]
Mating Cycles	5,000 Cycles
Mating Torque	11.47 to 15 in-lbs [[1.30 to 1.70 Nm]]
Cable Retention Force	4.9 lbs [2.22 kg]

### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Retaining Ring	Beryllium Copper	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Solder Sleeve	Brass	Gold Over Nickel

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +105 deg C
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

### Plotted and Other Data

Notes:

2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid 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.

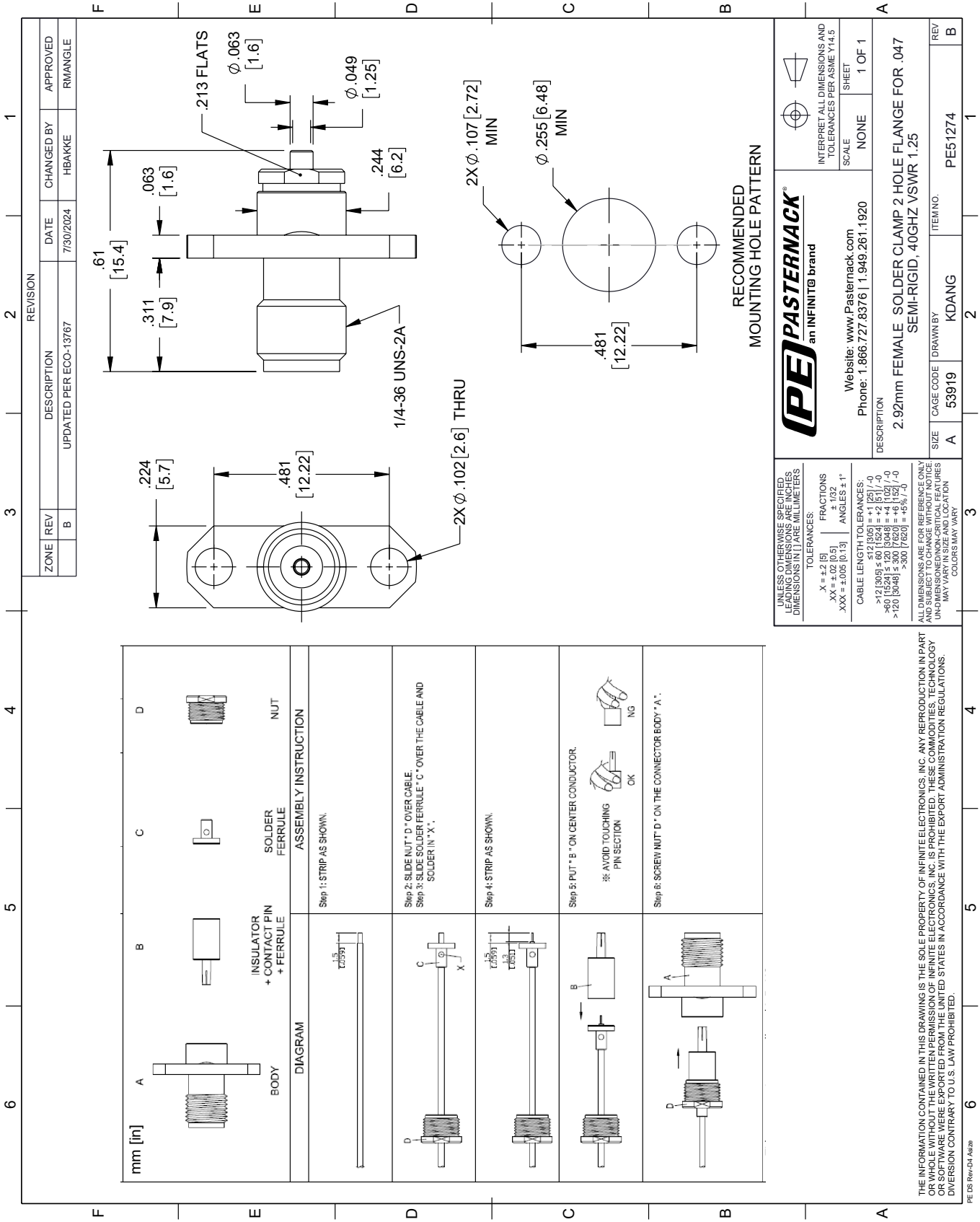
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid PE51274](#)

URL: <https://www.pasternack.com/2.92mm-female-pe-047sr-pe-p047-pe-sr047al-connector-pe51274-p.aspx>

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PE51274 CAD Drawing

2.92mm Female Connector Clamp/Solder Attachment 2 Hole Flange for PE-047SR, PE-P047, PE-P047LL, PE-SR047AL, PE-SR047FL, .047 Semi-Rigid



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

### RF Cables Technical Data Sheet

PE-SR047FL

#### Configuration

- Formable Cable
- 1 Shield(s)

#### Features

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- May be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- Tinned Copper Braid Outer Conductor
- Max Frequency 20 GHz

#### Applications

- Test and Measurement
- Communication Systems
- Wireless Systems
- Medical Equipment
- RADAR
- Low Loss Applications

#### Description

Formable semi-rigid coaxial cable is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. Pasternack's PE-SR047FL is a formable .047 semi-rigid coax cable with tinned copper braid outer conductor, providing low loss and excellent RF shielding effectiveness. This semi-flexible cable has an FEP jacket to reduce the chance of shorting exposed contacts or circuit conductors. Pasternack's formable cable can be used as an alternative to semi-rigid coaxial cable in applications where flexibility is required without giving up high electrical performance level. PE-SR047FL datasheet specifications and outline drawing for this .047 semi-flexible hand formable cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Inner Conductor DC Resistance			207	Ohms/1000ft
Outer Conductor DC Resistance			8	Ohms/1000ft
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]

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](#)

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

### RF Cables Technical Data Sheet

PE-SR047FL

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3	5	10	GHz
Attenuation, Typ	25	36	65	86	128	dB/100ft
	82.02	118.11	213.25	282.15	419.95	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	15	20				GHz
Attenuation, Typ	162	192				dB/100ft
	531.5	629.92				dB/100m

#### Mechanical Specifications

##### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver1	0.011 in 0.28 mm
Conductor Type	Solid	
Dielectric	PTFE	0.034 in 0.86 mm
Outer Conductor	Tinned Copper Braid	0.047 in 1.19 mm

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +100 deg C

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](#)



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

### RF Cables Technical Data Sheet

PE-SR047FL

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

#### Plotted and Other Data

Notes:

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 millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

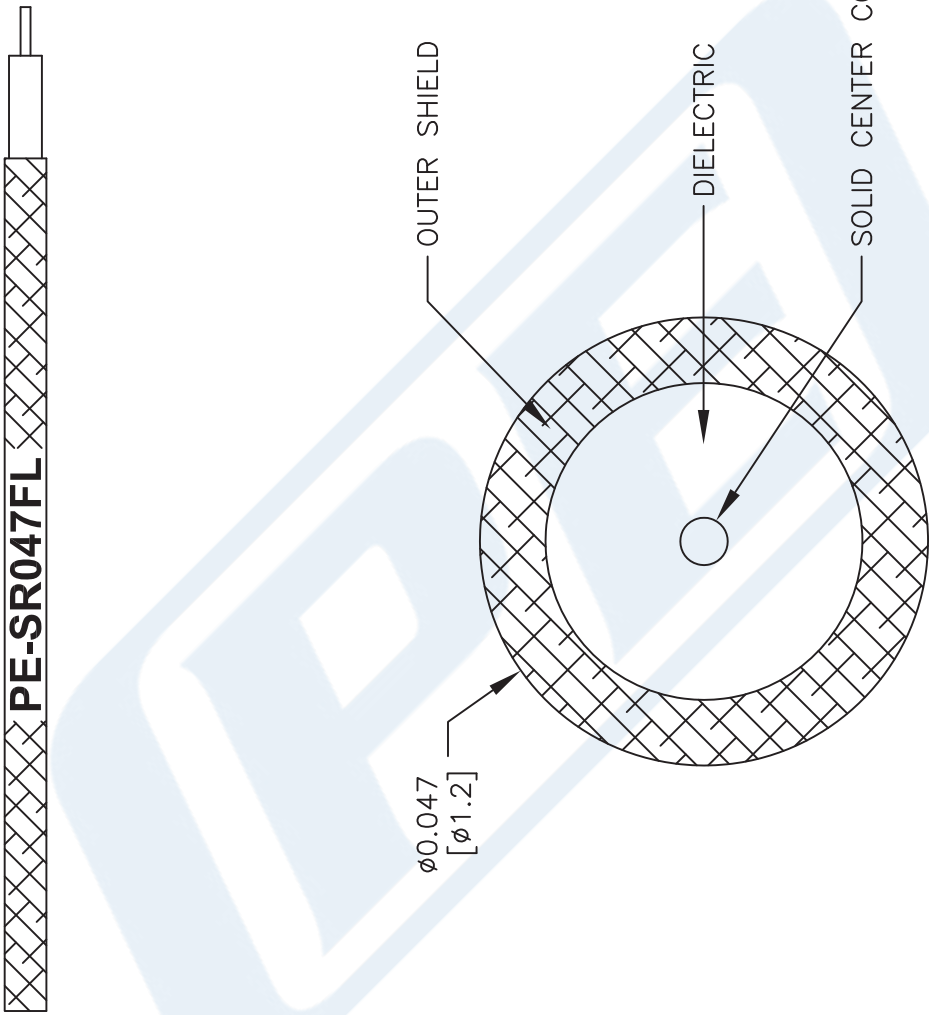
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

URL: <https://www.pasternack.com/formable-0.047-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr047fl-p.aspx>

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PE-SR047FL CAD Drawing

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



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].

DWG TITLE

PE-SR047FL

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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