



TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE- SR047AL, PE-SR047FL, IP68 Rated

RF Connectors Technical Data Sheet

PE44897

Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-047SR, PE-SR047AL, PE-SR047FL Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

- Max. Operating Frequency 2 GHz
- Gold Plated Beryllium Copper Contact
- IP68 Rated

Applications

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

Description

Pasternack's PE44897 TNC female bulkhead connector with clamp/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 2 GHz. This TNC bulkhead 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. The connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Our TNC female bulkhead connector PE44897 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		2	GHz

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width/Dia.	0.687 in [17.45 mm]
Weight	0.04 lbs [18.14 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated PE44897](#)



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Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Ingress Protection (IP) Rating

IP68 Rated

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

Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated 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.

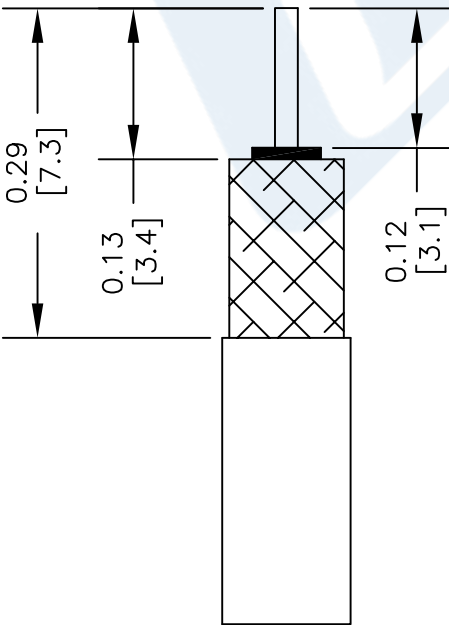
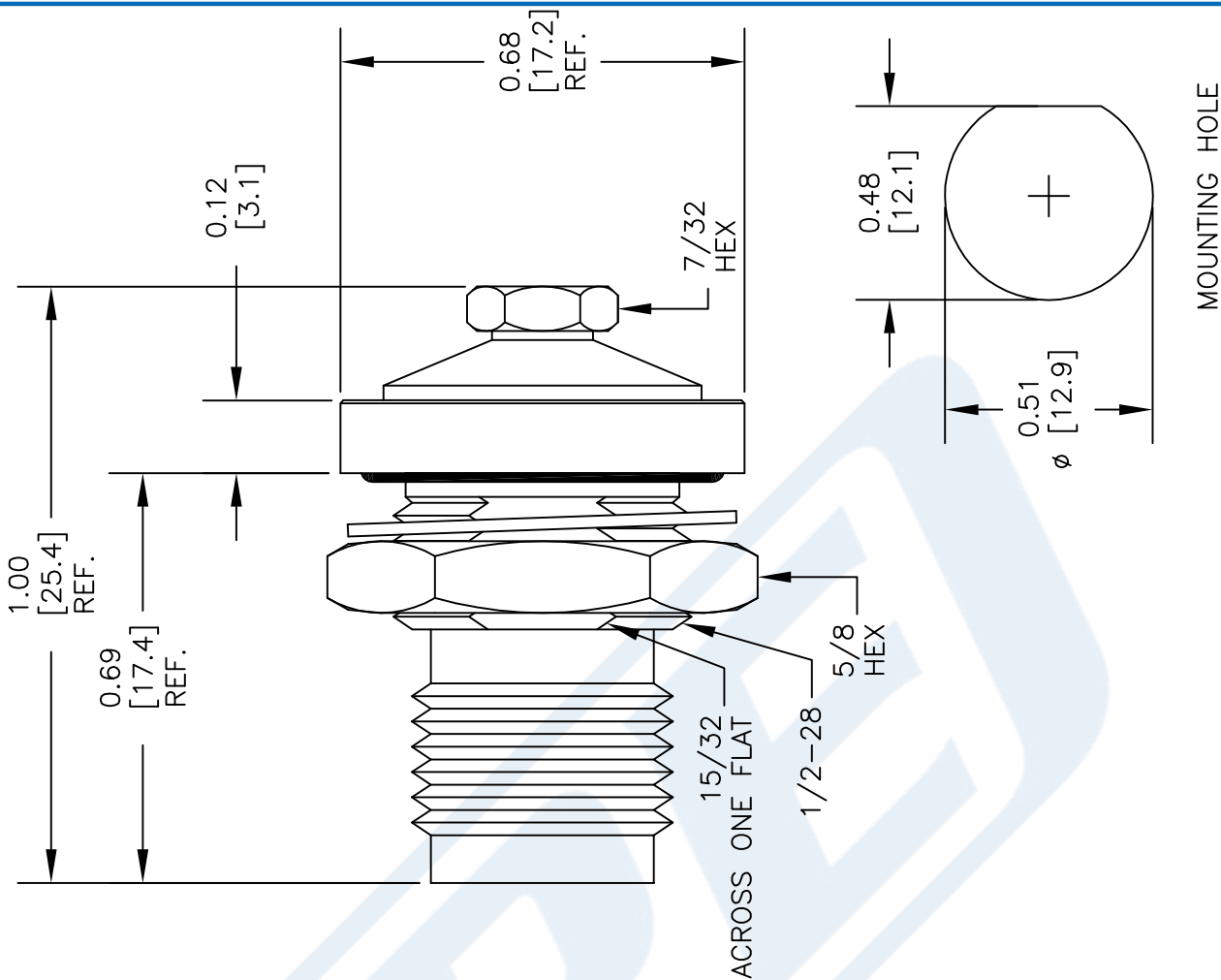
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URL: <https://www.pasternack.com/tnc-female-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe44897-p.aspx>

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PE44897 CAD Drawing

TNC Female Bulkhead Mount Connector Clamp/Solder Attachment
for PE-047SR, PE-SR047AL, PE-SR047FL, IP68 Rated



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. TRIM CABLE AS SHOWN
2. SLIDE CRIMP FERRULE & BACK NUT ONTO CABLE
3. CRIMP FERRULE USING 0.151" HEX DIE
4. CRIMP OR SOLDER BULLET CONTACT TO THE CENTER CONDUCTOR, INSERT CABLE WITH BULLET CONTACT INTO BODY
5. APPLY THREAD LOCKING ADHESIVE ON THE THREADS OF THE BACK NUT
6. TORQUE BACK NUT TO 15 INCH-LBS

CRIMP SIZE REQUIRED

CONTACT: CRIMP OR SOLDER
FERRULE: .151" HEX CRIMP TOOL

DWG TITLE

PE44897

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
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FSCM NO. 53919

CAD FILE 061014

SCALE N/A

SIZE A

150



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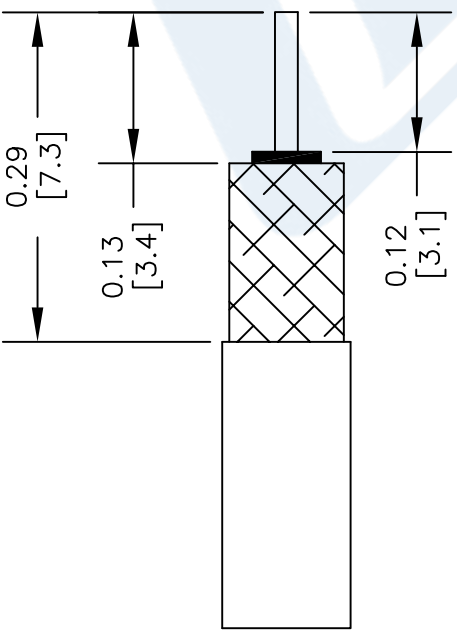
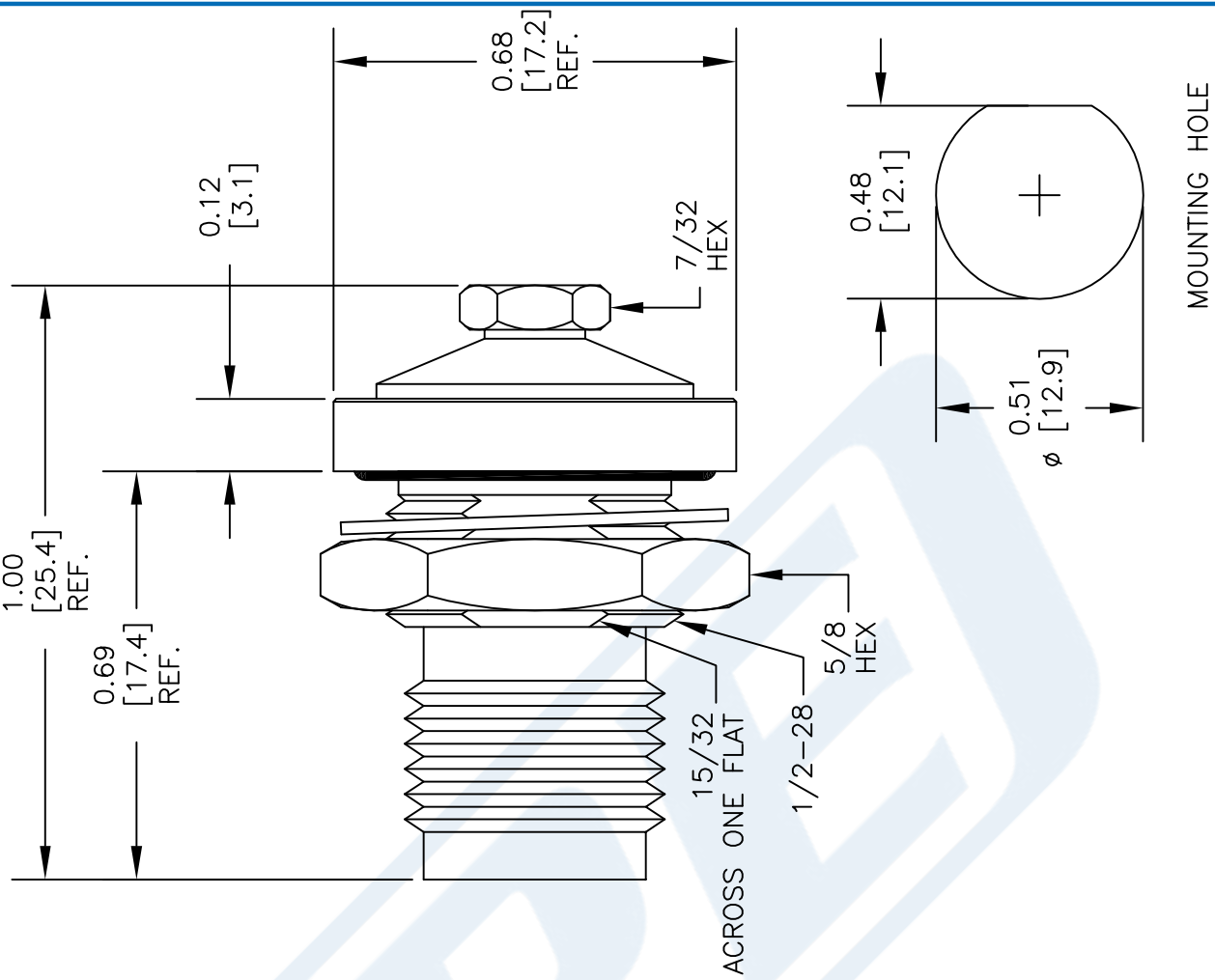
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DWG TITLE
PE44897

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FSCM NO. 53919

CAD FILE 061014 SCALE N/A SIZE A 150

Flexible Version of 047 Semi-rigid Coax Cable
Double Shielded with Blue FEP Jacket

TECHNICAL DATA SHEET

PE-P047

Flexible Version of 047 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	FEP
Shield Materials	Silver Plated Copper Tape, Silver Plated Copper Braid
Jacket Material and Color	FEP, Blue

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	70
Maximum Operating Frequency, GHz	20
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29 [95.14]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	500
Attenuation, dB/100ft [dB/100m]	25 [82.02]
Power Handling, Watts	61

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	35 [114.83]
Power Handling, Watts	43

Frequency 3

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	52 [170.6]
Power Handling, Watts	30

Frequency 4

Frequency, GHz	4
Attenuation, dB/100ft [dB/100m]	80 [262.47]
Power Handling, Watts	20

Frequency 5

Frequency, GHz	8
Attenuation, dB/100ft [dB/100m]	120 [393.7]
Power Handling, Watts	13

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible Version of 047 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket PE-P047](#)

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Flexible Version of 047 Semi-rigid Coax Cable
Double Shielded with Blue FEP Jacket

TECHNICAL DATA SHEET

PE-P047

Frequency 6

Frequency, GHz	12
Attenuation, dB/100ft [dB/100m]	140 [459.32]
Power Handling, Watts	10

Frequency 7

Frequency, GHz	18
Attenuation, dB/100ft [dB/100m]	180 [590.55]
Power Handling, Watts	8

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Inner Conductor

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.011 [0.28]

Dielectric:

Type	FEP
Diameter, in [mm]	0.036 [0.91]

Shield:

Number of	2
Material 1	Silver Plated Copper Tape
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.046 [1.17]

Jacket:

Material	FEP
Diameter, in [mm]	0.056 [1.42]
Color	Blue
One Time Minimum Bend Radius, in [mm]	0.2 [5.08]
Repeated Minimum Bend Radius, in [mm]	0.4 [10.16]
Weight, lbs/ft [Kg/m]	0.004 [0.01]

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

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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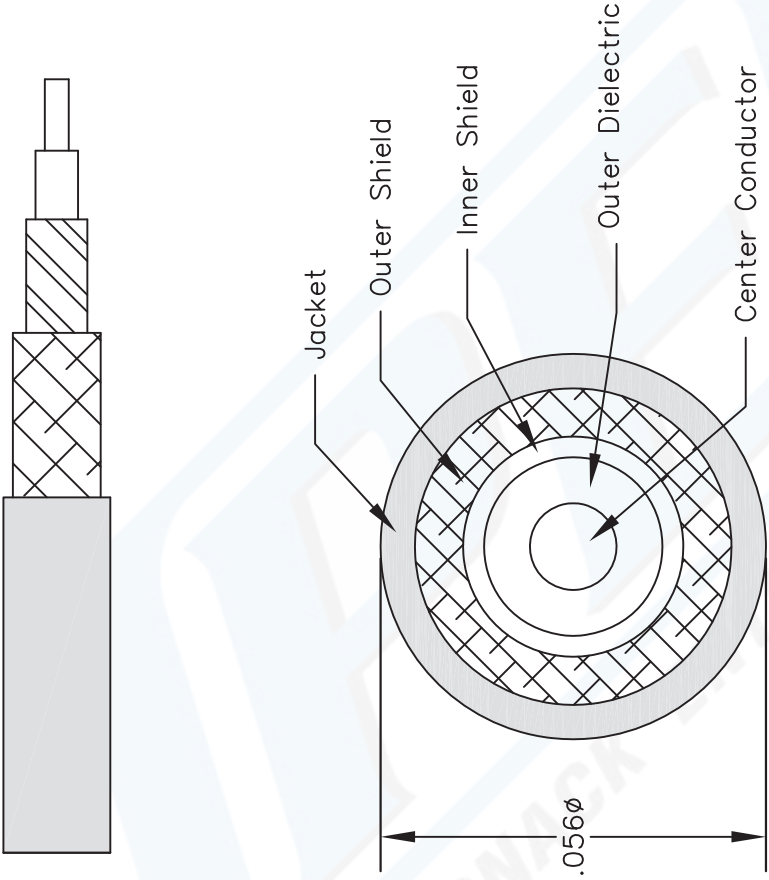
URL: <http://www.pasternack.com/precision-0.056-semirigid-replacement-50-ohm-coax-cable-fep-jacket-pe-p047-p.aspx>

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Flexible Version of 047 Semi-rigid Coax Cable Double Shielded with Blue FEP Jacket



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DWG TITLE

PE-P047

REV. A

FSCM NO. 53919

CAD FILE 061512

SCALE N/A

SIZE A

2233

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