

TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, RG141



RF Connectors Technical Data Sheet

PE4047

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry

- RG55, RG142, RG223, RG400, RG141 Interface Type
- Crimp/Crimp Attachment

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4047 TNC male connector with crimp/crimp attachment for RG55, RG142, RG223, RG400 and RG141 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.5:1.

Our TNC male connector PE4047 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 | | 6 | GHz |
| VSWR | | | 1.5:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 1.097 in [27.86 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight | 0.034 lbs [15.42 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, RG141 PE4047](#)



TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, RG141

RF Connectors Technical Data Sheet

PE4047

Material Specifications

| Description | Material | Plating |
|--------------|----------|--------------------------------|
| Contact | Brass | Gold 30 μ in minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 μ in minimum |
| Coupling Nut | Brass | Nickel 100 μ in minimum |
| Crimp Sleeve | Brass | Nickel |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

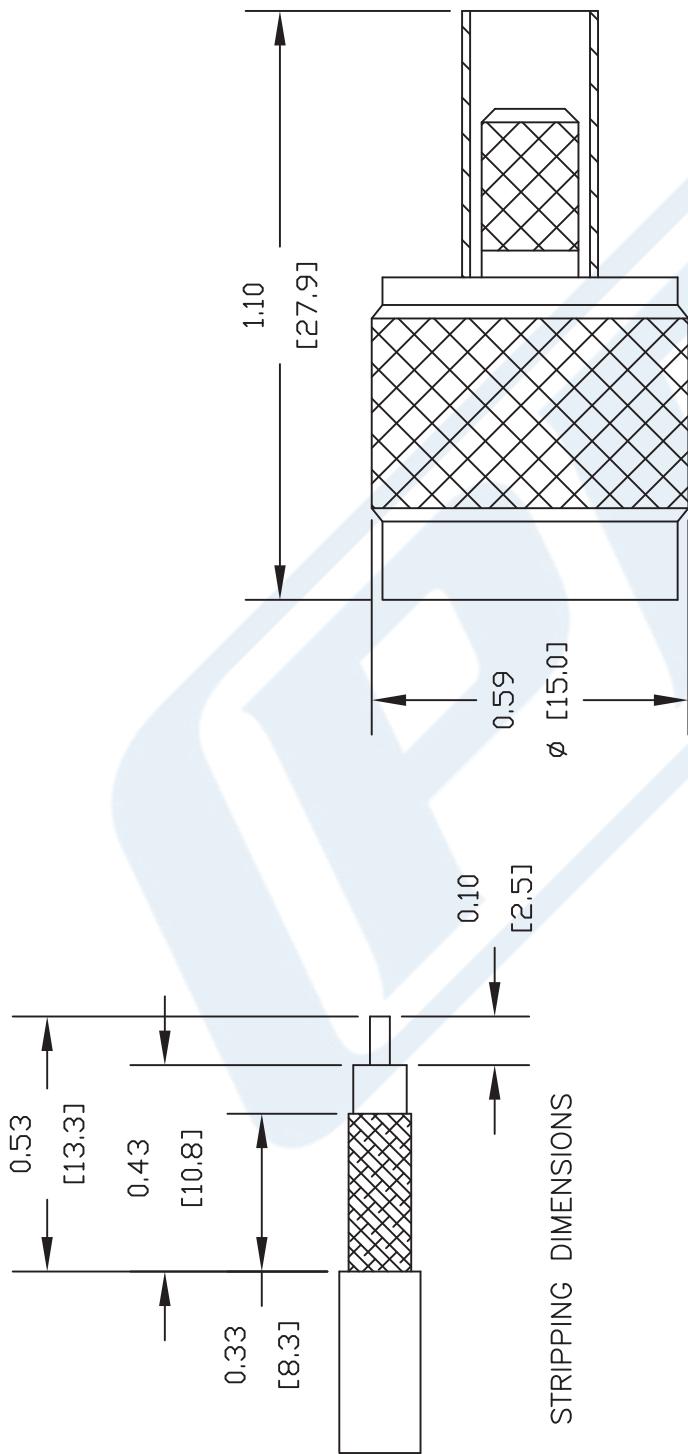
Notes:

TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, RG141 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400, RG141 PE4047](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4047-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.



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
PE4047

PE PASTERNACK®
Pasternack Enterprises, Inc.
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

| REV. - | FSCM NO. | 53919 | CAD FILE | 042209 | SCALE | N/A | SIZE | A | 127 |
|--------|----------|-------|----------|--------|-------|-----|------|---|-----|
|--------|----------|-------|----------|--------|-------|-----|------|---|-----|



TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4450

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4450 TNC male right angle connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our TNC male right angle connector PE4450 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 | | 3 | GHz |
| VSWR | | | 1.3:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| Size | |
|------------|---------------------|
| Length | 1.35 in [34.29 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |
| Height | 1.14 in [28.96 mm] |
| Weight | 0.062 lbs [28.12 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)



TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4450

Material Specifications

| Description | Material | Plating |
|--------------|----------|--------------------------------|
| Contact | Brass | Gold 30 μ in minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 μ in minimum |
| Coupling Nut | Brass | Nickel 100 μ in minimum |

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

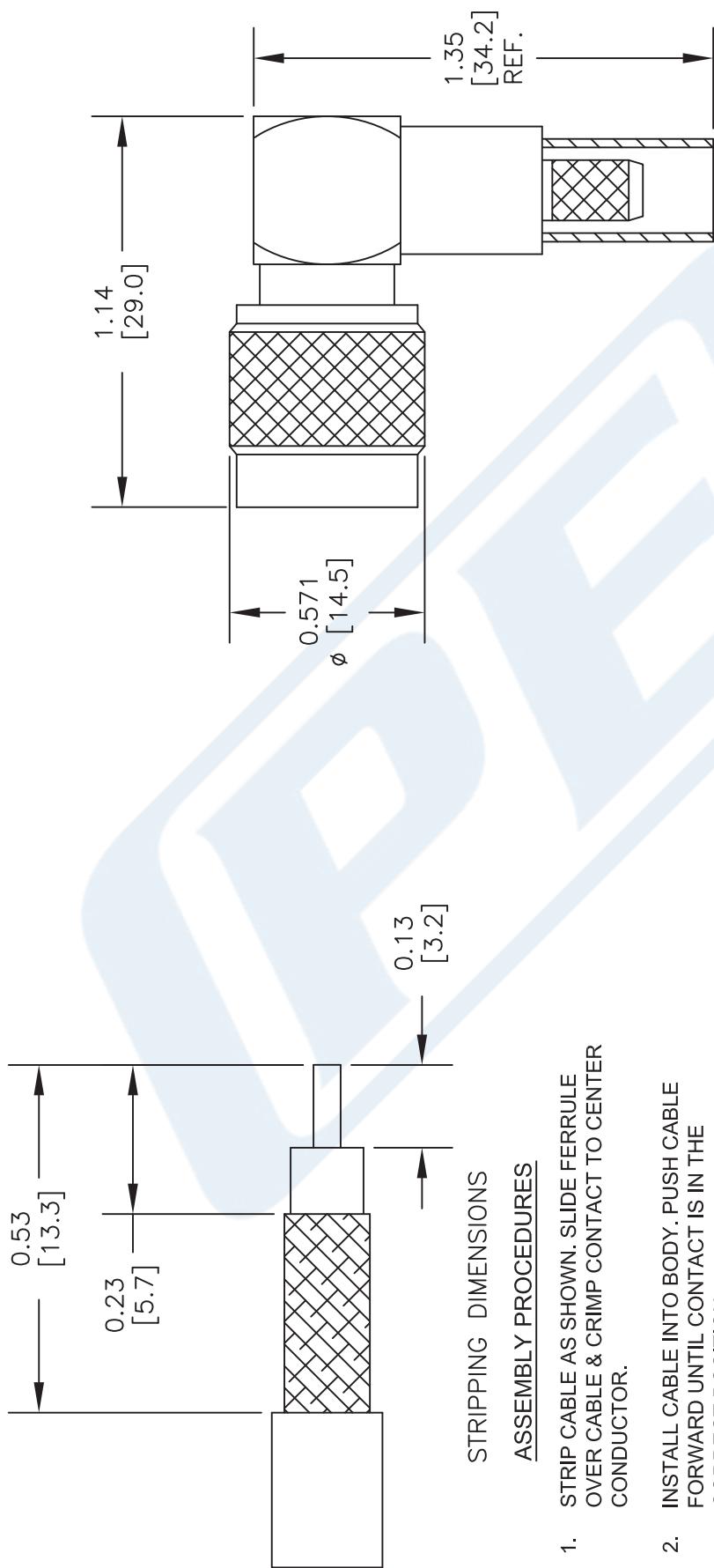
TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4450](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4450-p.aspx>

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PE4450 CAD Drawing
 TNC Male Right Angle Connector Crimp/Solder Attachment
 for RG55, RG141, RG142, RG223, RG400



CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
 FERRULE: .213" HEX CRIMP TOOL



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| DWG TITLE | FSCM NO. | CAD FILE | SCALE | SIZE | REV |
|---------------|----------|----------|-------|------|------|
| PE4450 | 53919 | 030916 | N/A | A | 2233 |

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].

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

| | |
|--------------------------------------|--|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Shield Materials | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color | FEP, Tan |

Electrical Specifications

| | |
|----------------------------------|--------------|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 69.2 |
| Maximum Operating Frequency, GHz | 8 |
| RF Shielding, dB | 90 |
| Capacitance, pF/ft [pF/m] | 29.4 [96.46] |
| Maximum Operating Voltage, Volts | 1,900 |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|------------|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 3.9 [12.8] |

Frequency 2

| | |
|---------------------------------|------------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |

Frequency 3

| | |
|---------------------------------|--------------|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 23.8 [78.08] |

Frequency 4

| | |
|---------------------------------|-------------|
| Frequency, GHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 36 [118.11] |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +200 |
|------------------------|-------------|

Inner Conductor

| | |
|-------------------|-------------------|
| Number of Strands | 1 |
| Material | Copper Clad Steel |
| Plating | Silver |
| 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: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Dielectric:

Type PTFE
Diameter, in [mm] 0.116 [2.95]

Shield:

Number of 2
Material 1 Silver Plated Copper Braid
Material 2 Silver Plated Copper Braid
Diameter, in [mm] 0.156 [3.96]

Jacket:

Material FEP
Diameter, in [mm] 0.195 [4.95]
Color Tan
One Time Minimum Bend Radius, in [mm] 0.984 [24.99]
Repeated Minimum Bend Radius, in [mm] 2 [50.8]
Weight, lbs/ft [Kg/m] 0.046 [0.07]

Compliance Certifications

(visit www.Pasternack.com for current document)
RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

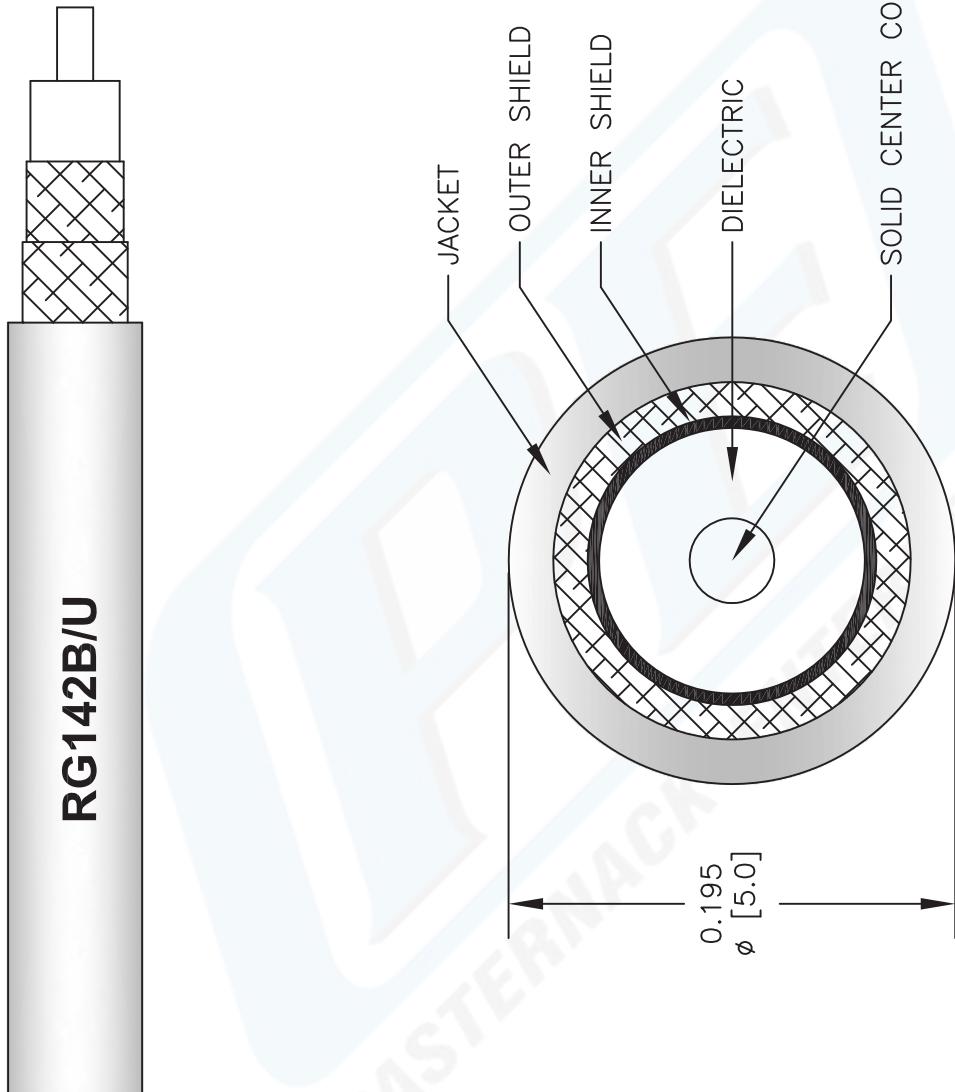
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket 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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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



RG142B/U

DWG TITLE

RG142B/U

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| FSM NO. | CAD FILE | SCALE | SIZE | REV |
|---------|----------|-------|------|------|
| 53919 | 022808-A | N/A | A | 2233 |