



N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4483

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4483 type N male right angle connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4483 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 | | 11 | GHz |
| Operating Voltage (AC) | | | 1,500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 2,500 | Vrms |
| Inner Conductor DC Resistance | | | 1 | mOhms |
| Outer Conductor DC Resistance | | | 1 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |
| RF Leakage | 90 | | | dB |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---------------------|---------|----|----|----|----|-------|
| Frequency Range | DC to 6 | | | | | GHz |
| VSWR, Max | 1.5:1 | | | | | |
| Insertion Loss, Max | 0.15 | | | | | dB |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](#)



N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

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Mechanical Specifications

Size

| | |
|---------------|---------------------|
| Length | 1.99 in [50.55 mm] |
| Width/Dia. | 0.8 in [20.32 mm] |
| Height | 1.29 in [32.77 mm] |
| Weight | 0.135 lbs [61.23 g] |
| Mating Cycles | 500 Cycles |

Material Specifications

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

Environmental Specifications

Temperature

| | |
|-------------------|--------------------------------------|
| Operating Range | -65 to +165 deg C |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Temperature Cycle | MIL-STD-202, Method 107, Condition B |
| Salt Spray | MIL-STD-202, Method 101, Condition B |

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](#)



N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4483

Assembly Instruction

N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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.

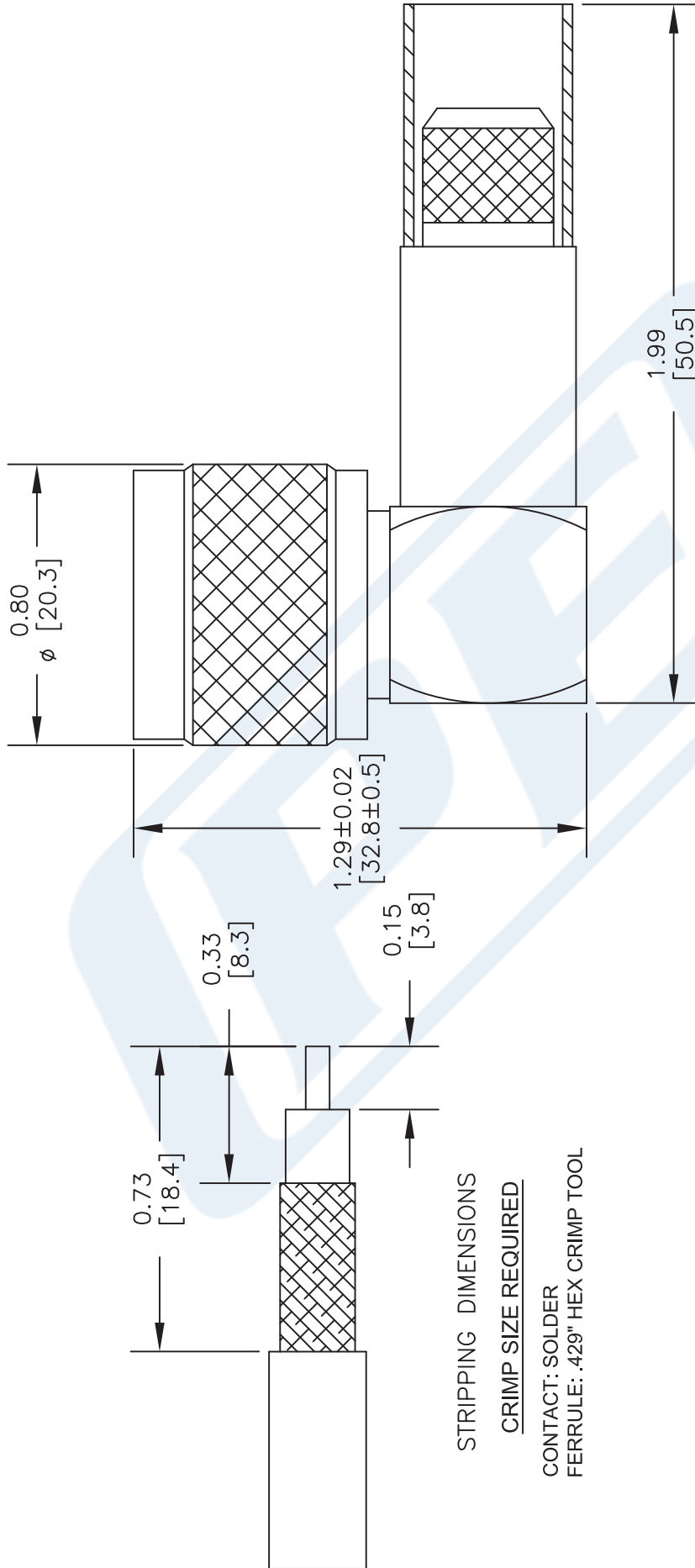
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4483](https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4483-p.aspx)

URL: <https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4483-p.aspx>

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PE4483 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



STANDARD TOLERANCES

.X ±0.008
.XX ±0.004
.XXX ±0.002

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4483

FSCM NO. 53919

CAD FILE 040116

SCALE N/A

SIZE A

XXXX

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].



SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

TECHNICAL DATA SHEET

PE4411

SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

Configuration

| | |
|--|--|
| Connector | SMA Female |
| Connector Specification | MIL-C-39012 |
| Connector Interface Type | RG213, RG214, RG8, RG9, RG11, RG225, RG393 |
| Cable Attachment Method (Shield/Contact) | Clamp/Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -65 to +165 |
|------------------------|-------------|

Size

| | |
|---------------------|---------------|
| Length, in [mm] | 1.5 [38.1] |
| Width/Dia., in [mm] | 0.75 [19.05] |
| Weight, lbs [g] | 0.082 [37.19] |

Connector

| | |
|-------------------------------|---------------|
| Type | SMA Female |
| Contact Material and Plating | Gold |
| Contact Plating Specification | MIL-G-45204 |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

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

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 PE4411](#)

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SMA Female Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

TECHNICAL DATA SHEET

PE4411

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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URL: <http://www.pasternack.com/sma-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4411-p.aspx>

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Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 11 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 66 | | % |
| Operating Voltage (AC) | | | 5,000 | Vrms |
| Nominal Capacitance | | 30.8 [101.05] | | pF/ft [pF/m] |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|------------------|------|-------|-------|-------|--------|----------|
| Frequency | 0.01 | 1 | 3 | 5 | 10 | GHz |
| Attenuation, Typ | 2.02 | 7.32 | 14.21 | 19.63 | 33.81 | dB/100ft |
| | 6.63 | 24.02 | 46.62 | 64.4 | 110.93 | dB/100m |

Mechanical Specifications

| | |
|-----------------------------|--------------------------|
| Diameter | 0.425 in [10.8 mm] |
| Weight | 0.122 lbs/ft [0.18 Kg/m] |
| Min. Bend Radius (Repeated) | 1.6 in [40.64 mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--|--------------------|
| Inner Conductor | Copper, Silver, 7 Strands | |
| Conductor Type | Stranded | |
| Dielectric | PE | 0.285 in [7.24 mm] |
| First Shield | Silver Plated Copper Braid 90% coverage | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

| | | |
|---------------|--|--------------------|
| Second Shield | Silver Plated Copper Braid 90% coverage | 0.331 in [8.41 mm] |
| Jacket | PVC, Black | 0.425 in [10.8 mm] |

Environmental Specifications

Temperature

Operating Range

-20 to +80 deg C

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

Plotted and Other Data

Notes:

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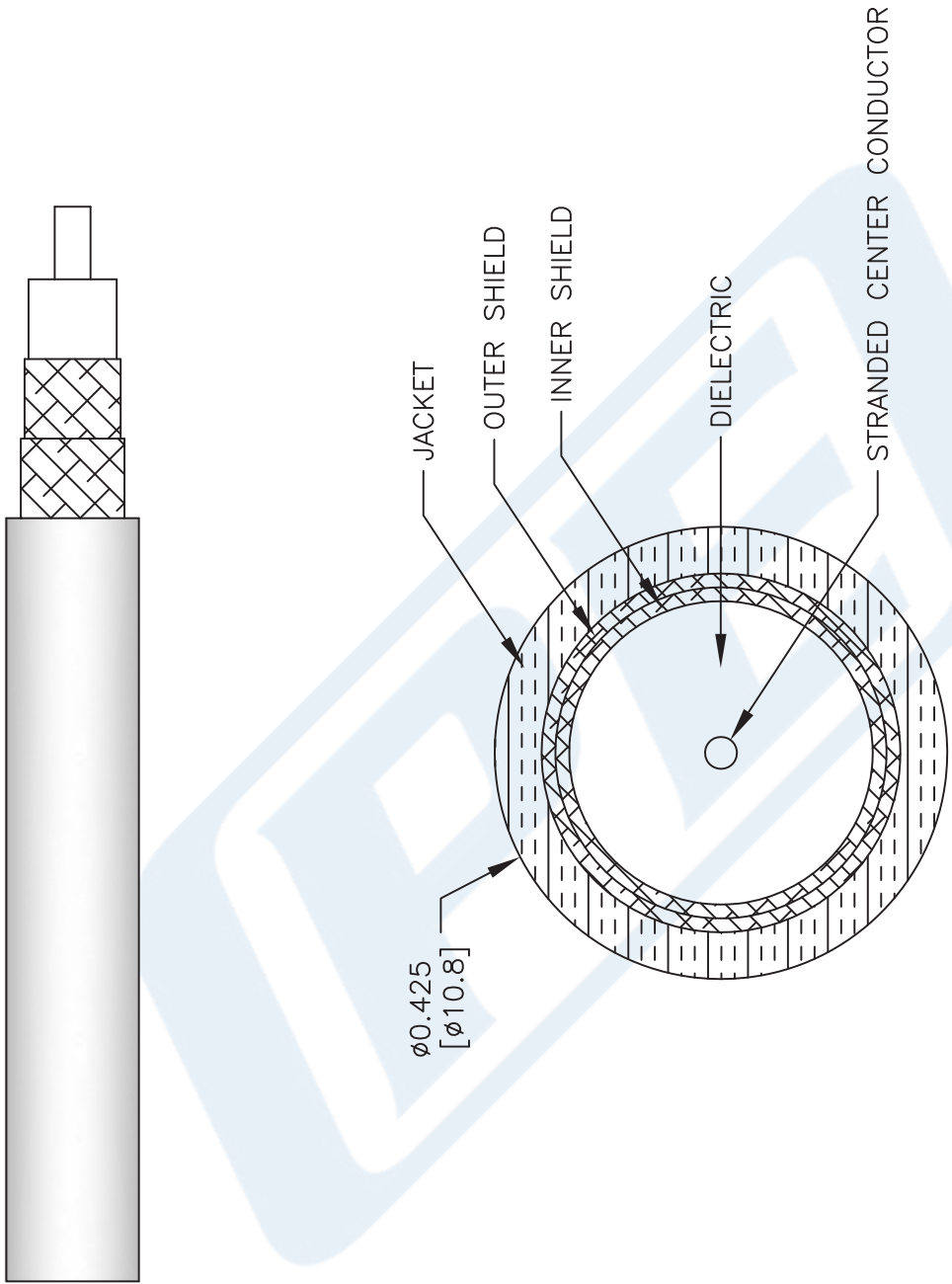
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



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DWG TITLE
RG214/U

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 111716

41742

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