



# MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

PE4226

### Configuration

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

### Features

- Max. Operating Frequency 300 MHz
- 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 PE4226 MHV male right angle connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our MHV male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our MHV male right angle connector PE4226 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		300	MHz
VSWR			1.3:1	
Operating Voltage (AC)			1,400	Vrms

### Mechanical Specifications

<b>Size</b>	
Length	1.215 in [30.86 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.02 in [25.91 mm]
Weight	0.07 lbs [31.75 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4226](#)



# MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

PE4226

### Material Specifications

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

### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

#### Notes:

MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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: [MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4226](#)

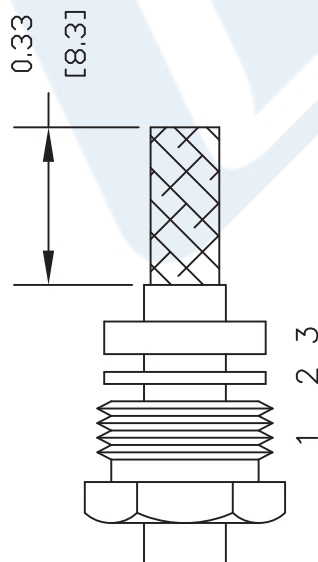
URL: <https://www.pasternack.com/mhv-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4226-p.aspx>

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.

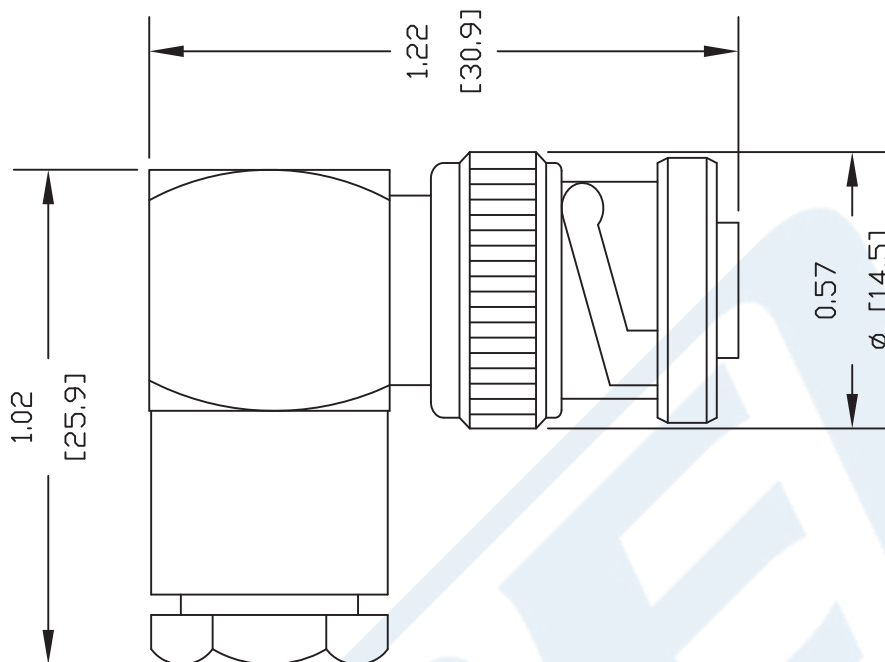
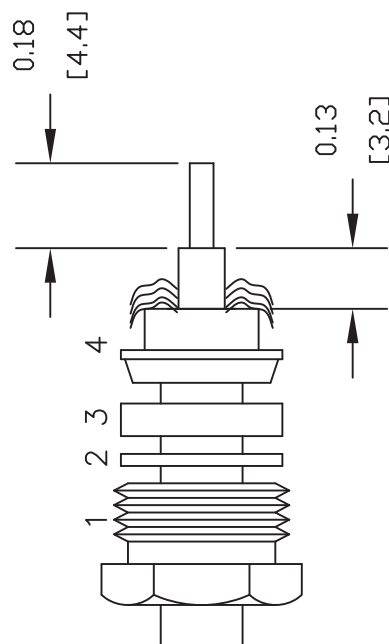
MHV Male Right Angle Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIDE ASSEMBLY INTO BODY, SOLDER CENTER CONDUCTOR IN PLACE & TIGHTEN CLAMP NUT. SCREW CAP DOWN INTO PLACE.



DWG TITLE

**PE4226**

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.

**PE PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 042309

SCALE N/A

SIZE A

147



## MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

### RF Connectors Technical Data Sheet

PE4076

#### Configuration

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

#### Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4076 MHV male connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our MHV male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our MHV male connector PE4076 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		300	MHz
VSWR			1.3:1	
Operating Voltage (AC)			1,400	Vrms

#### Mechanical Specifications

##### Size

Length	1.52 in [38.61 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.053 lbs [24.04 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4076](#)



**MHV Male Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195**

**RF Connectors  
Technical Data Sheet**

PE4076

**Material Specifications**

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

**Mechanical Specification Notes:**

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

**Notes:**

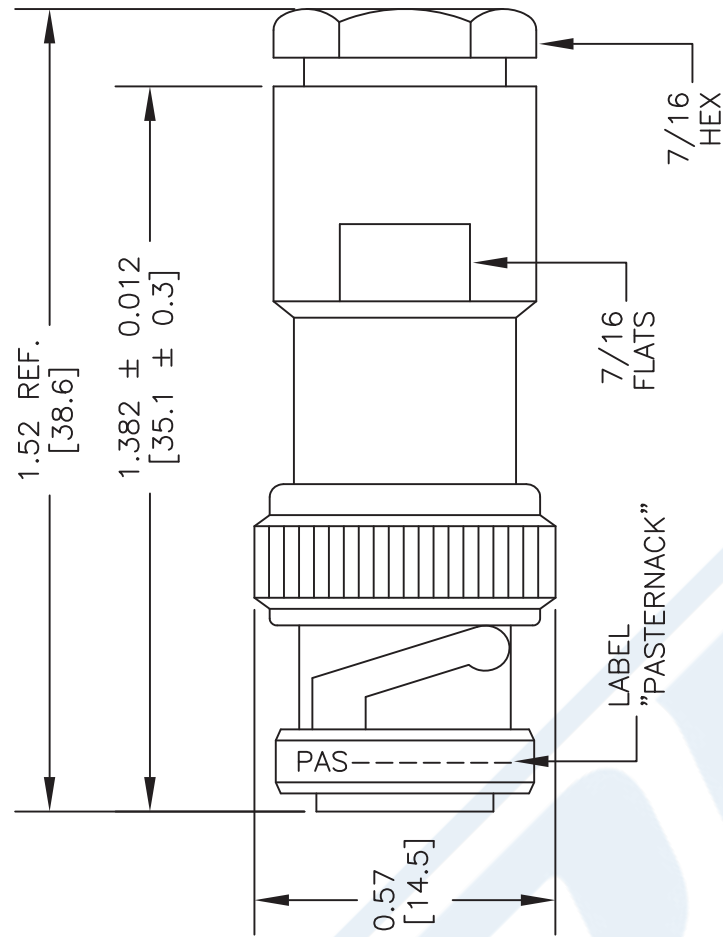
MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of 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: [MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4076](#)

URL: <https://www.pasternack.com/mhv-male-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4076-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.

MHV Male Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

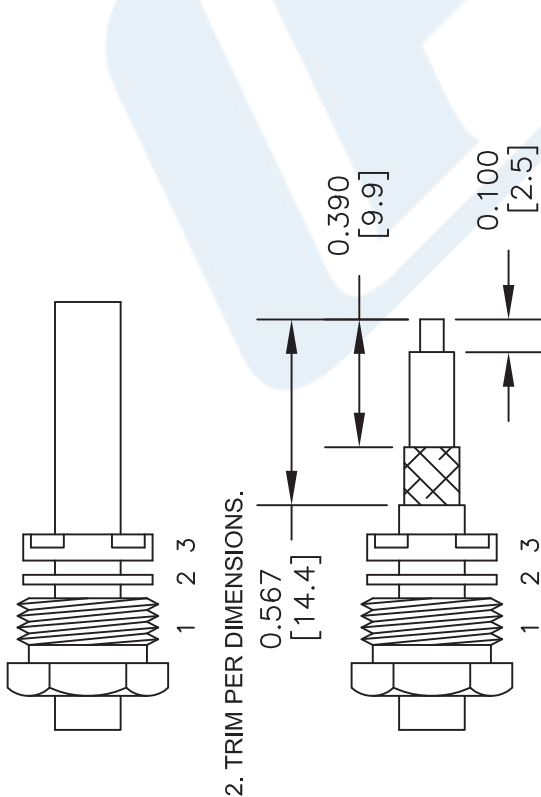


STANDARD	TOLERANCES
.X	±0.2
.XX	±0.1
.XXX	±0.05

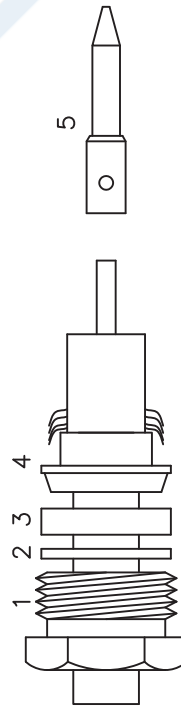
\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

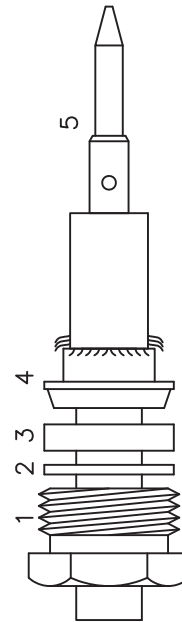
**ASSEMBLY PROCEDURES**  
1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE AS SHOWN.



3. a) SLIDE BRAID CLAMP OVER BRAID UNTIL IT STOPS ON CABLE JACKET.  
b) FLAIR BRAID AS SHOWN.



4. INSTALL CONTACT BY SOLDERING TO CABLE CENTER CONDUCTOR LEAVING NO GAPS (5).



5. REMOVE EXCESS SOLDER. INSERT ASSEMBLY INTO CONNECTOR BODY AND TIGHTEN NUT.

DWG TITLE  
**PE4076**

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 050216

SCALE N/A

SIZE A

3045



Flexible RG223 Coax Cable Double  
Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG223/U

**Configuration**

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	PVC, Black

**Electrical Specifications**

Impedance, Ohms	50
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	30.8 [101.05]
Maximum Operating Voltage, Volts	1,900

**Electrical Specifications by Frequency**

**Frequency 1**

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4 [13.12]

**Frequency 2**

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8.2 [26.9]

**Frequency 3**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.4 [43.96]

**Frequency 4**

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	24.8 [81.36]

**Frequency 5**

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	33.5 [109.91]

**Frequency 6**

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	54.1 [177.49]

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-20 to +80
------------------------	------------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

## Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

**RG223/U****Inner Conductor**

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.035 [0.89]

**Dielectric:**

Type	PE
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	PVC
Diameter, in [mm]	0.21 [5.33]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.21 [5.33]
Repeated Minimum Bend Radius, in [mm]	1 [25.4]
Weight, lbs/ft [Kg/m]	0.038 [0.06]

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

RoHS Compliant	
REACH Compliant	06/18/2012

**Plotted and Other Data**

## Notes:

- Values at +25 °C, sea level

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket 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: [Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket RG223/U](#)

URL: <http://www.pasternack.com/flexible-0.216-rg223-50-ohm-coax-cable-pvc-jacket-rg223-u-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.



RG223/U CAD Drawing

Flexible RG223 Coax Cable Double Shielded with Black PVC Jacket



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  
**RG223/U**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 060508-B

**PE PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)