



## MHV Male Right Angle Connector Clamp/Solder Attachment for RG59, RG62, RG71

### RF Connectors Technical Data Sheet

PE4227

#### Configuration

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG59, RG62, RG71

#### Features

- Max. Operating Frequency 200 MHz
- Good VSWR of 1.6:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4227 MHV male right angle connector with clamp/solder attachment for RG59, RG62 and RG71 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 200 MHz and offers good VSWR of 1.6:1. Its right angle body geometry allows for easier connections in tight spaces.

Our MHV male right angle connector PE4227 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		200	MHz
VSWR			1.6:1	
Operating Voltage (AC)			1,600	Vrms

#### Mechanical Specifications

##### Size

Length	1.22 in [30.99 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	1.02 in [25.91 mm]
Weight	0.068 lbs [30.84 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 RG59, RG62, RG71 PE4227](#)



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**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
Gasket	Silicone	
Washer	Brass	Nickel
O-Ring	Silicone	

**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:

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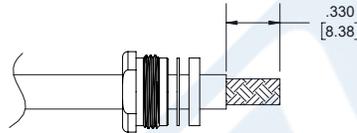
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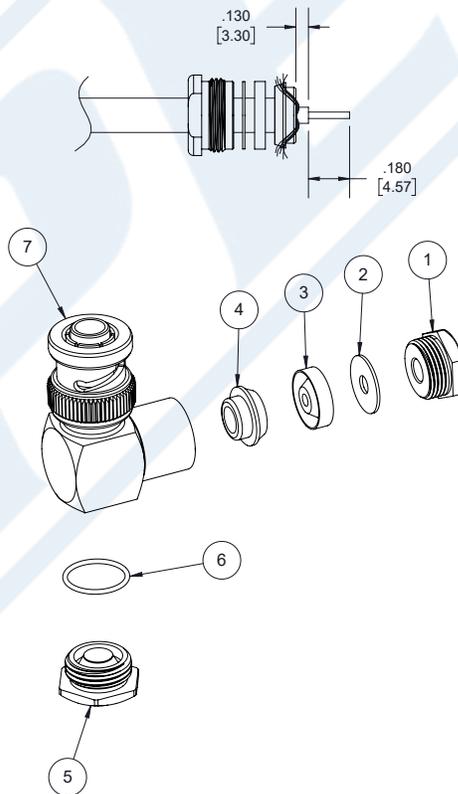
PE4227

**Assembly Instruction**

1. SLIDE CLAMP NUT ①, THIN-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 CLAMP ④.



2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT. 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 ①. SLIDE O-RING GASKET ⑥ OVER THE CAP ⑤ BEFORE SCREW DOWN INTO PLACE.



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MHV Male Right Angle Connector Clamp/Solder Attachment for RG59, RG62, RG71 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 RG59, RG62, RG71 PE4227](https://www.pasternack.com/mhv-male-right-angle-connector-clamp-solder-attachment-for-rg59-rg62-rg71-pe4227)

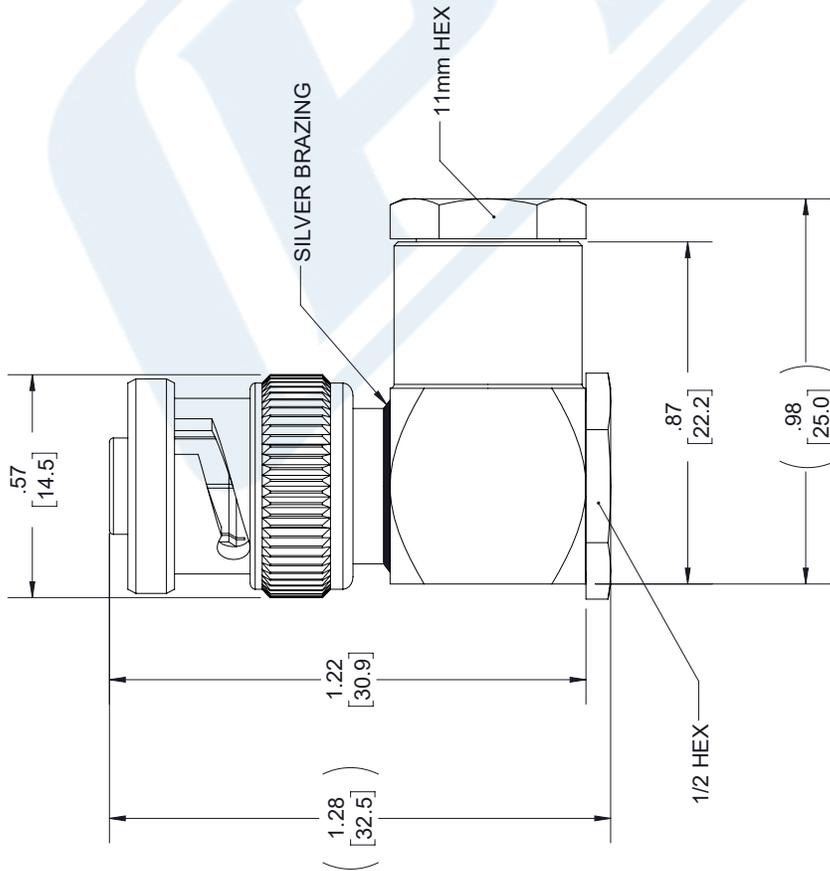
URL: <https://www.pasternack.com/mhv-male-rg59-rg62-connector-pe4227-p.aspx>

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.

# PE4227 CAD Drawing

MHV Male Right Angle Connector Clamp/Solder Attachment for RG59, RG62, RG71

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4227 20200930	11/18/20	SRAUTUS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE4227

**PE PASTERNAK**  
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SIZE A CAGE CODE 53919 DRAWN BY SLI

TOLERANCES:  
 .X = ±.2 [5.08] FRACTIONS ± 1/32  
 .XX = ±.02 [.51] ANGLES ± 1°  
 .XXX = ±.005 [.13]  
 CABLE LENGTH (L) TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.