



## MHV Male to SHV Plug Cable Using RG141 Coax

### RF Cable Assemblies Technical Data Sheet

PE34413

#### Configuration

- Connector 1: MHV Male
- Connector 2: SHV Plug
- Cable Type: RG141

#### Features

- PTFE (FG) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34413 MHV male to SHV plug cable using RG141 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MHV to SHV cable assembly has a male to plug gender configuration with 50 ohm flexible RG141 coax.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Jacket Spark			2,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Weight 0.09 lbs [40.82 g]

##### Cable

Cable Type RG141  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Shield Layer 1 Silver Plated Copper

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male to SHV Plug Cable Using RG141 Coax PE34413](#)



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Jacket Material PTFE (FG), Beige  
Jacket Diameter 0.19 in [4.83 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	SHV Plug
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30µ In. Min	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ In. Minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ In. Minimum	

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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PE34413

#### How to Order

Part Number Configuration:

**PE34413**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE34413-12 = 12 inches long cable  
PE34413-100cm = 100 cm long cable

MHV Male to SHV Plug Cable Using RG141 Coax 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 to SHV Plug Cable Using RG141 Coax PE34413](#)

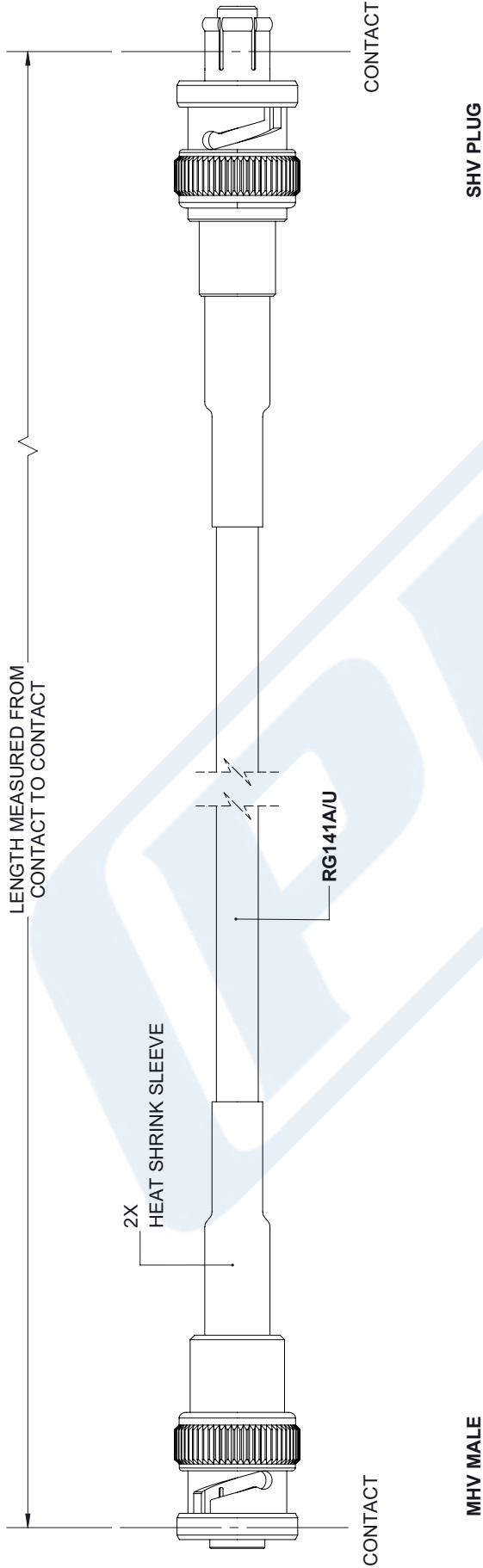
URL: <https://www.pasternack.com/mhv-male-shv-plug-rg141au-cable-assembly-pe34413-p.aspx>

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.

# PE34413 CAD Drawing

## MHV Male to SHV Plug Cable Using RG141 Coax

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	07/23/19
		APPROVED
		S. ELLIS



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

TOLERANCES:  
 X±± 2 [5.08] FRACTIONS  
 .XX±± .01 [ .25] ±.132  
 .XXX±± .005 [ .13] ANGLES ± 1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

**PE PASTERNAK**  
an INFINITO brand

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SIZE [CAGE] DRAWN BY PART NUMBER  
 A 53919 K.DANG PE34413LF

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SHEET 1 OF 1  
SCALE N/A

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