



MHV Male to SHV Plug Cable Using RG213 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W02150LF

Configuration

- Connector 1: MHV Male
- Connector 2: SHV Plug
- Cable Type: RG213

Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W02150LF MHV male to SHV plug 12 inch cable using RG213 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 RG213 coax. The PE3W02150LF MHV male to SHV plug cable assembly operates to 300 MHz.

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
Frequency Range	DC		300	MHz
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	300			MHz
Insertion Loss (Typ.)	0.022	0.035	0.039			dB/ft

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

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 RG213 Coax , LF Solder PE3W02150LF](#)



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Mechanical Specifications

Cable Assembly

Weight 0.212 lbs [96.16 g]

Cable

Cable Type RG213
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper
Dielectric Type PE
Number of Shields 1
Shield Layer 1 Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.405 in [10.29 mm]

Repeated Minimum Bend Radius 1.6 in [40.64 mm]

Connectors

Description	Connector 1	Connector 2
Type	MHV Male	SHV Plug
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30 pinches minimum
Dielectric Type		Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 pinches minimum

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

Plotted and Other Data

Notes:

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PE3W02150LF

How to Order

Part Number Configuration:

PE3W02150LF

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W02150LF-12 = 12 inches long cable
PE3W02150LF-100cm = 100 cm long cable

MHV Male to SHV Plug Cable Using RG213 Coax , LF Solder 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.

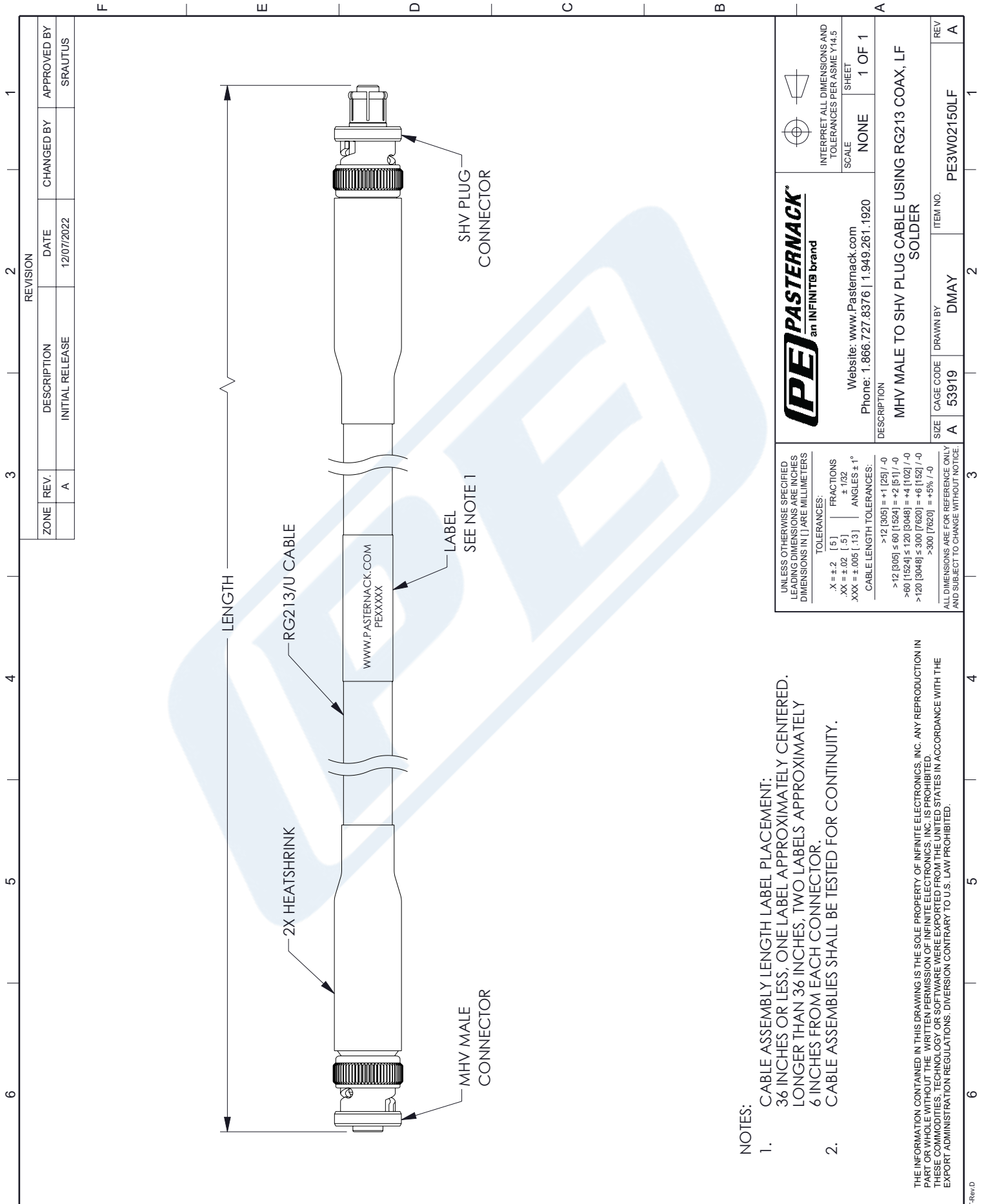
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male to SHV Plug Cable Using RG213 Coax , LF Solder PE3W02150LF](#)

URL:

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.

PE3W02150LF CAD Drawing

MHV Male to SHV Plug Cable Using RG213 Coax , LF Solder



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY
6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITO brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X = ±.2 [.5] FRACTIONS XX = ±.02 [.5] ± 1/32 XXX = ±.005 [.13] ANGLES ± 1°		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	
CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		DESCRIPTION MHV MALE TO SHV PLUG CABLE USING RG213 COAX, LF SOLDER		SHEET 1 OF 1	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		SIZE A 53919		ITEM NO. PE3W02150LF	
		DRAWN BY DMAY		REV A	