PASTERNACK
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20KV Male to 20KV Female Bulkhead Cable Using RG213HV Coax

RF Cable Assemblies Technical Data Sheet PE3C9767

Configuration

- Connector 1: 20KV Male
- Connector 2: 20KV Female Bulkhead
- Cable Type: RG213HV

Features

- 69% Phase Velocity
- Polyurethane Jacket
- Voltage rating of 10kV
- Recessed Contacts

Applications

- General Purpose
- Laboratory Use
- High voltage power supplies/ Amplifiers
- Nuclear instrumentation
- Test and measurement equipment

Description

Pasternack's PE3C9767 20KV male to 20KV female bulkhead cable using RG213HV coax is part of our full line of RF components available for same-day shipping. This Pasternack 20KV to 20KV cable assembly has a male to female gender configuration with 50 ohm RG213HV coax. Our RF cable assembly with 20KV bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. Our 20kV high voltage RF cable assemblies are designed to handle higher voltages and minimize the risk of electric shock. Both the connectors used in this cable assemblies have recessed contact design to withstand unmated higher voltage. These cable assemblies are commonly used in applications where high voltage transmission and RF signal integrity are critical. These cable assemblies are constructed with high-quality insulation materials capable of withstanding higher voltages, ensuring safety and preventing electrical breakdown. Our cable assemblies are built with durable and flexible materials to withstand harsh environmental conditions and repetitive movements, ensuring reliable performance over extended periods.

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
Velocity of Propagation		69		%
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	V

Electrical Specification Notes:
Values at 25°C, sea level.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 20KV Male to 20KV Female Bulkhead Cable Using RG213HV Coax PE3C9767

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Mechanical Specifications

Cable Assembly

Weight	0.072 lbs [32.66 g]

Cable

Cable Type	RG213HV
Impedance	50 Ohms
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PE
Number of Shields	1
Jacket Material	Polyurethane
Jacket Diameter	0.394 in [10.01 mm]
Repeated Minimum Bend Radius	1.969 in [50.01 mm]

Connectors

Description	Connector 1	Connector 2
Type	20KV Male Bayonet	20KV Female Bulkhead Bayonet
Specification	MIL-STD-202	MIL-STD-202
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold/Tri-Metal	Beryllium Copper, Gold/Tri-Metal
Dielectric Type	PE (HD)	PE (HD)
Body Material and Plating	Brass, Tinned Copper	Brass, Nickel Over Copper
Coupling Nut Material and Plating	Brass, Tinned Copper	Brass, Nickel Over Copper

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration: **PE3C9767 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C9767 — Base Number

Example: PE3C9767-12 = 12 inches long cable
PE3C9767-100cm = 100 cm long cable

20KV Male to 20KV Female Bulkhead Cable Using RG213HV 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: 20KV Male to 20KV Female Bulkhead Cable Using RG213HV Coax PE3C9767

URL: https://www.pasternack.com/20kv-male-to-20kv-female-bulkhead-cable-using-rg213hv-pe3c9767-p.aspx

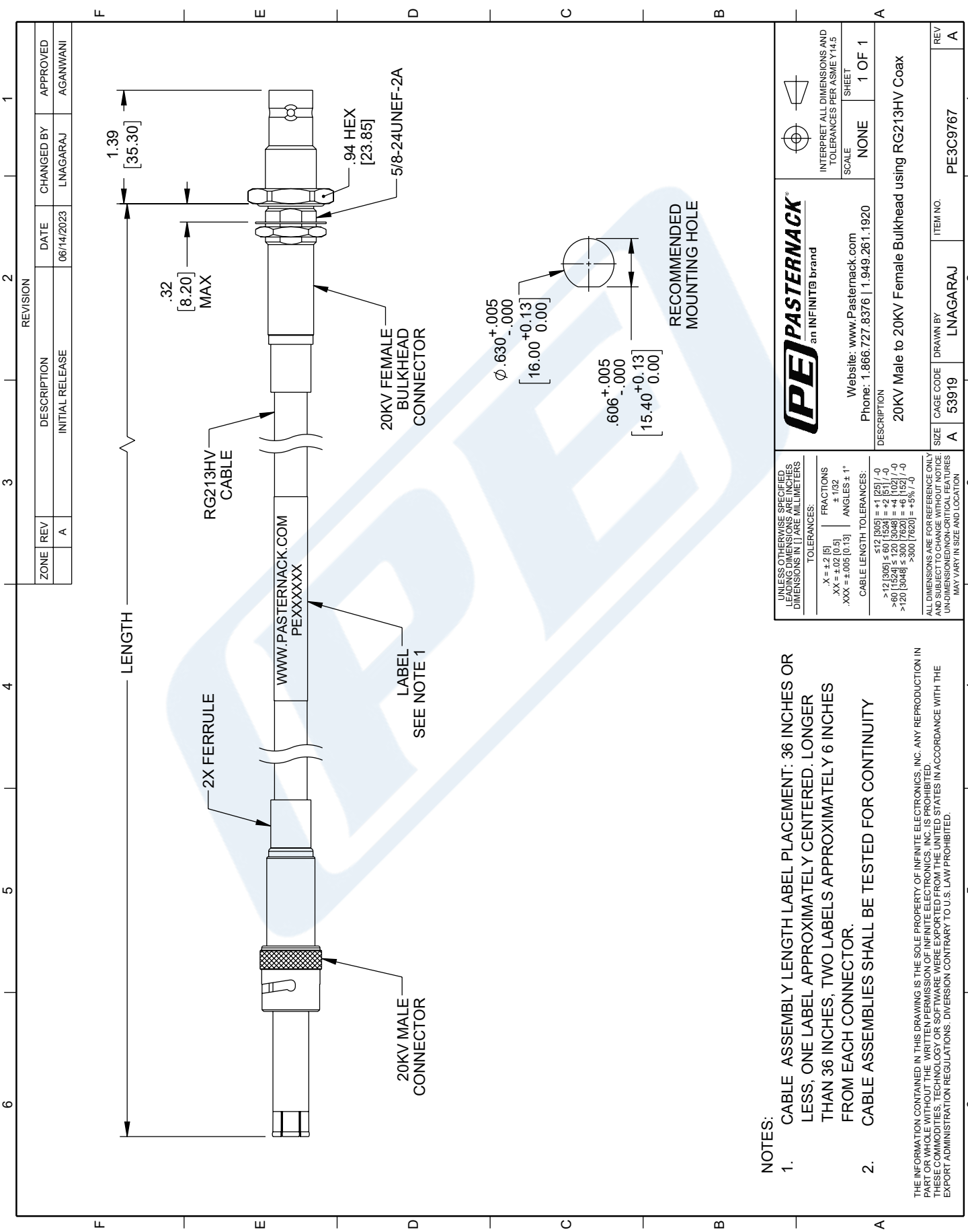
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

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PE3C9767 CAD Drawing

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