PASTERNACK
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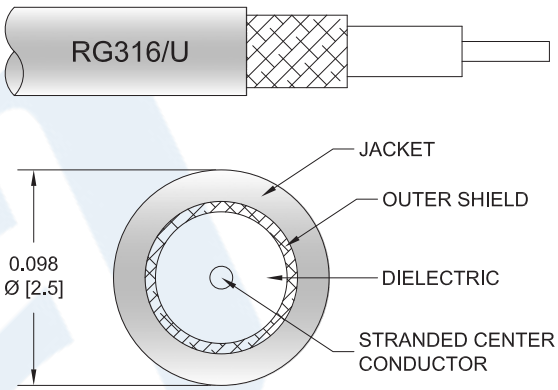
SMA Female Bulkhead to SMA Female Cable 48 Inch Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet PE3W07334-48

Configuration

- Connector 1: SMA Female Bulkhead
- Connector 2: SMA Female
- Cable Type: RG316



Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07334-48 SMA female bulkhead to SMA female 48 inch cable using RG316 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 SMA to SMA cable assembly has a female to female gender configuration with 50 ohm flexible RG316 coax. The PE3W07334-48 SMA female to SMA female cable assembly operates to 3 GHz. Our RF cable assembly with SMA 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.

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		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Jacket Spark			2,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female Bulkhead to SMA Female Cable 48 Inch Length Using RG316 Coax PE3W07334-48

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

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.639	0.839	1.152	1.72	2.519	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.433 in [11 mm]

Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMA Female
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification		50µ in. minimum
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Brass, Gold	Brass, Gold
Outer Conductor Plating Specification		3µ in. minimum
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		3µ in. minimum

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Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

Operating Range	-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **PE3W07334 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3W07334 — Base Number

Example: PE3W07334-12 = 12 inches long cable
PE3W07334-100cm = 100 cm long cable

SMA Female Bulkhead to SMA Female Cable 48 Inch Length Using RG316 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: SMA Female Bulkhead to SMA Female Cable 48 Inch Length Using RG316 Coax PE3W07334-48

URL: https://www.pasternack.com/sma-female-sma-female-rg316u-cable-assembly-pe3w07334-48-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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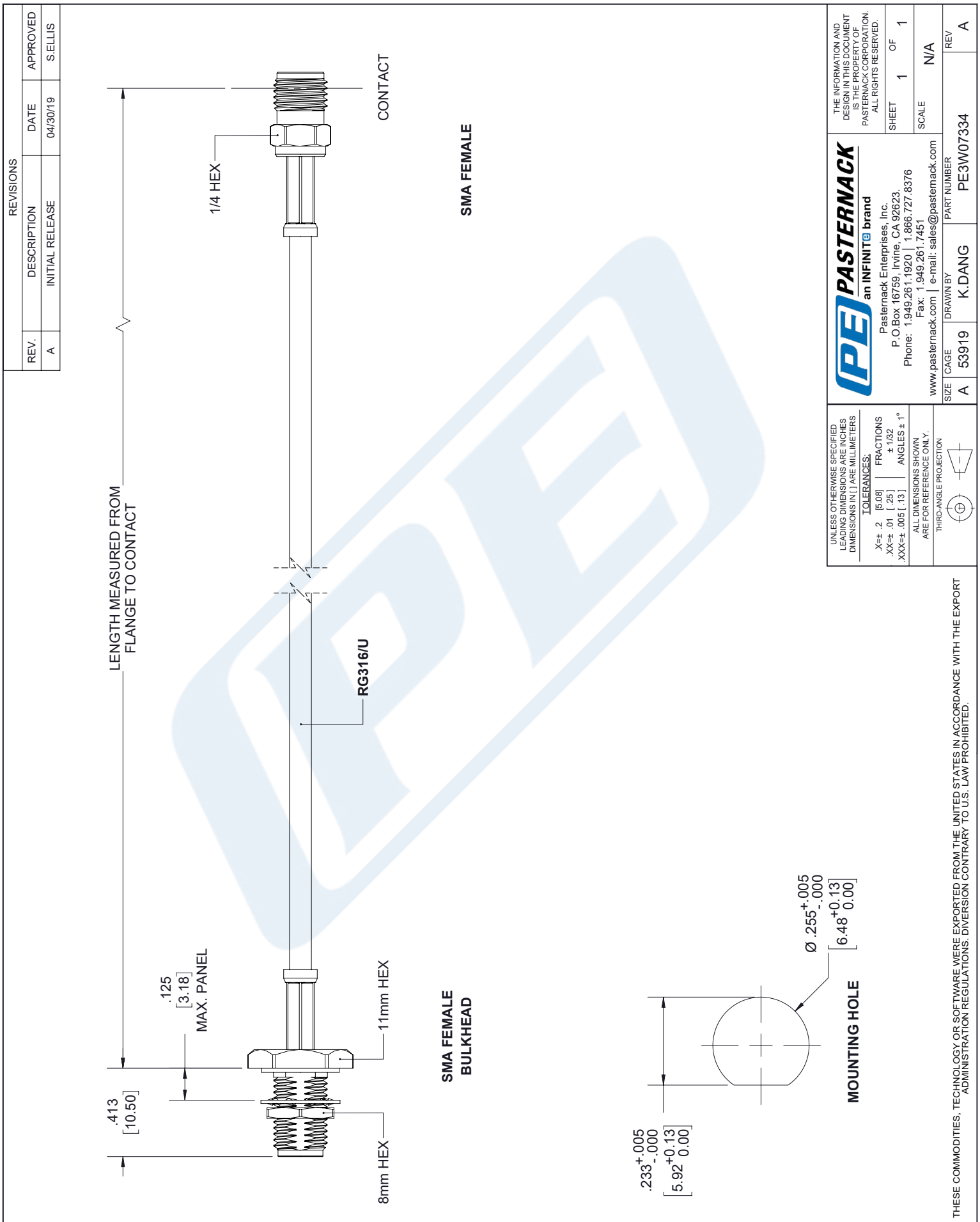
PE3W07334-48 CAD Drawing

SMA Female Bulkhead to SMA Female Cable 48 Inch Length Using RG316 Coax



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