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THE ENGINEER'S RF SOURCE

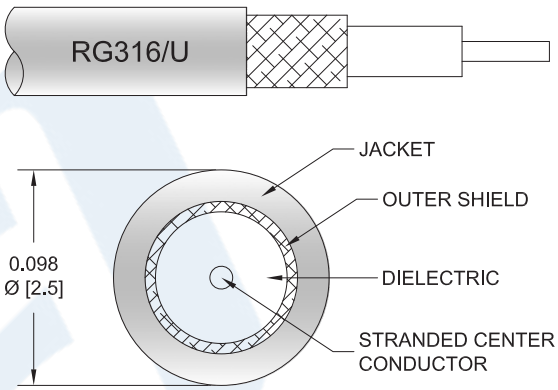


SMA Male Right Angle to SMC Plug Right Angle Cable 48 Inch Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet PE3740-48

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMC Plug Right Angle
- Cable Type: RG316



Features

- Max Frequency 3 GHz
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3740-48 SMA male right angle to SMC plug right angle 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 SMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG316 coax. The PE3740-48 SMA male to SMC plug cable assembly operates to 3 GHz. The right angle SMA and right angle SMC interfaces on the RG316 cable allow for easier connections in tight spaces.

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	
Capacitance		32 [104.99]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Right Angle to SMC Plug Right Angle Cable 48 Inch Length Using RG316 Coax PE3740-48

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	1.039	1.351	1.919	2.519	2.72	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.4dB of connector loss.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.451 in [11.46 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	0.098 in [2.49 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMC Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100µ in. minimum
Hex Size	5/16 in	1/4 in.
Torque	5 in-lbs [0.57 Nm]	3 in-lbs [0.34 Nm]

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 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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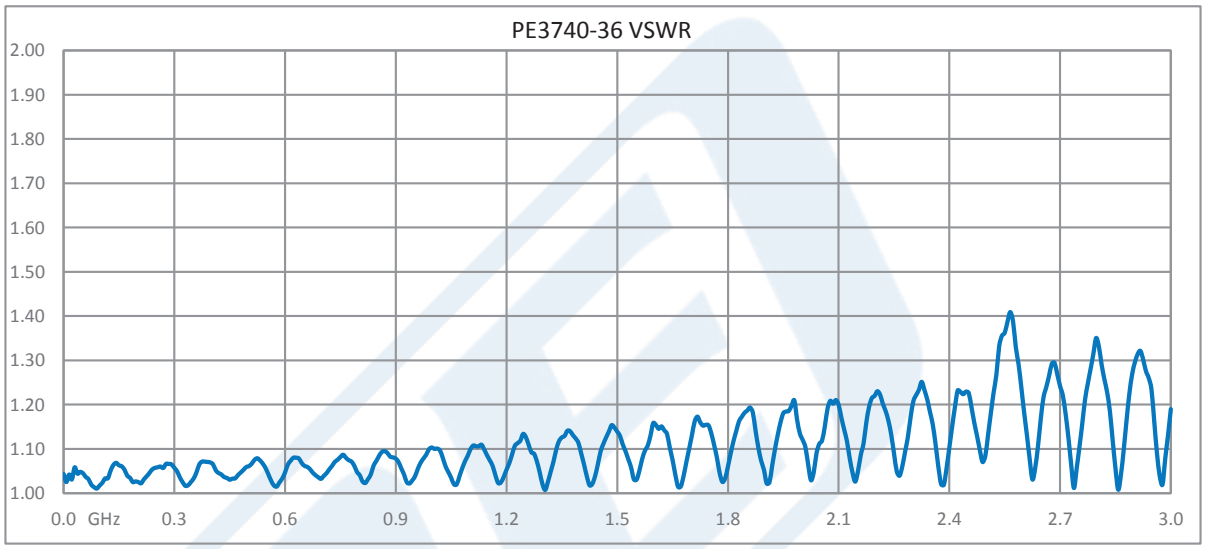
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Typical Performance Data



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How to Order

Part Number Configuration:

PE3740 - xx uu

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3740 — Base Number

Example: PE3740-12 = 12 inches long cable
PE3740-100cm = 100 cm long cable

SMA Male Right Angle to SMC Plug Right Angle 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 Male Right Angle to SMC Plug Right Angle Cable 48 Inch Length Using RG316 Coax PE3740-48

URL: https://www.pasternack.com/sma-male-smc-plug-rg316u-cable-assembly-pe3740-48-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.

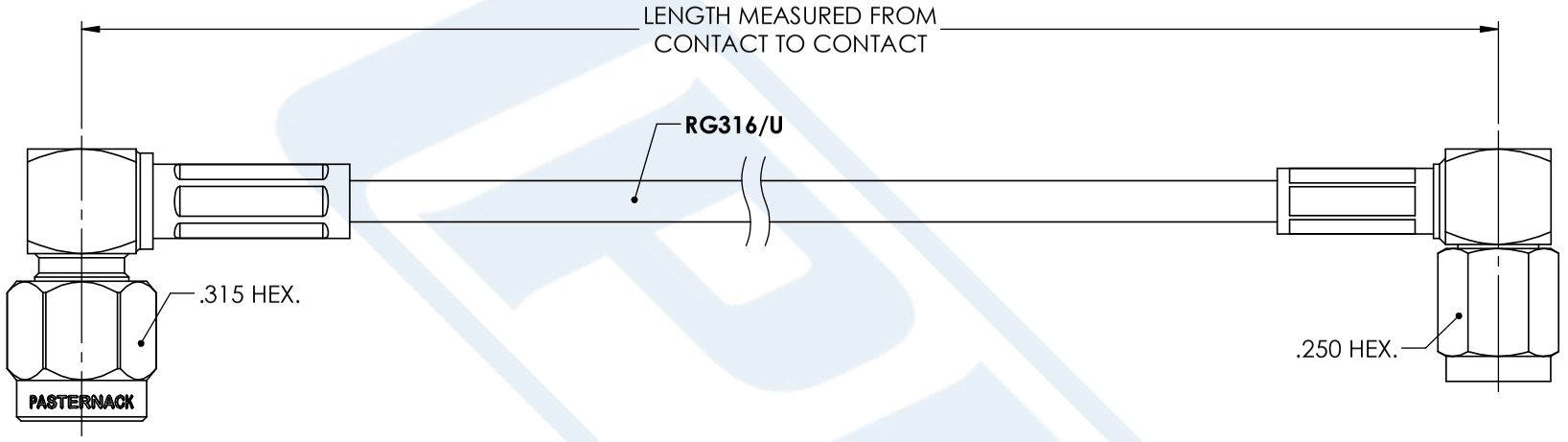
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PE3740-48 CAD Drawing

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE
PE3740

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919	CAD FILE 10/16/18	SCALE N/A	SIZE A	CN2245