



SMA Male Right Angle to SMC Plug Right Angle Cable 150 CM Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

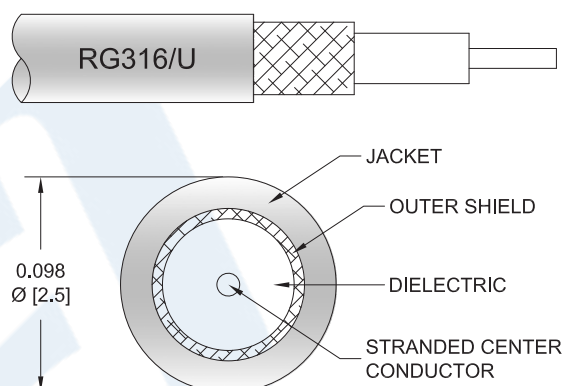
PE3740-150CM

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 PE3740-150CM SMA male right angle to SMC plug right angle 150 cm 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 PE3740-150CM 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 150 CM Length Using RG316 Coax PE3740-150CM](#)



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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.)	1.187	1.57	2.269	3.007	3.253	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* 59.06 in [150.01 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 $\pm 3/8$ ", 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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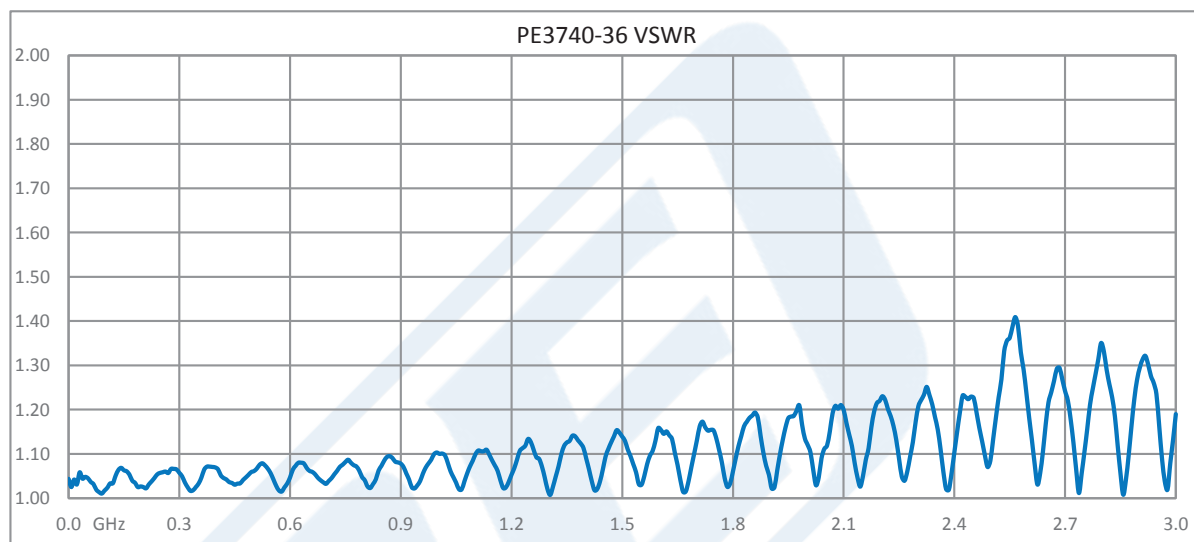


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Typical Performance Data



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How to Order

Part Number Configuration:

PE3740

- **xx**

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
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 150 CM 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.

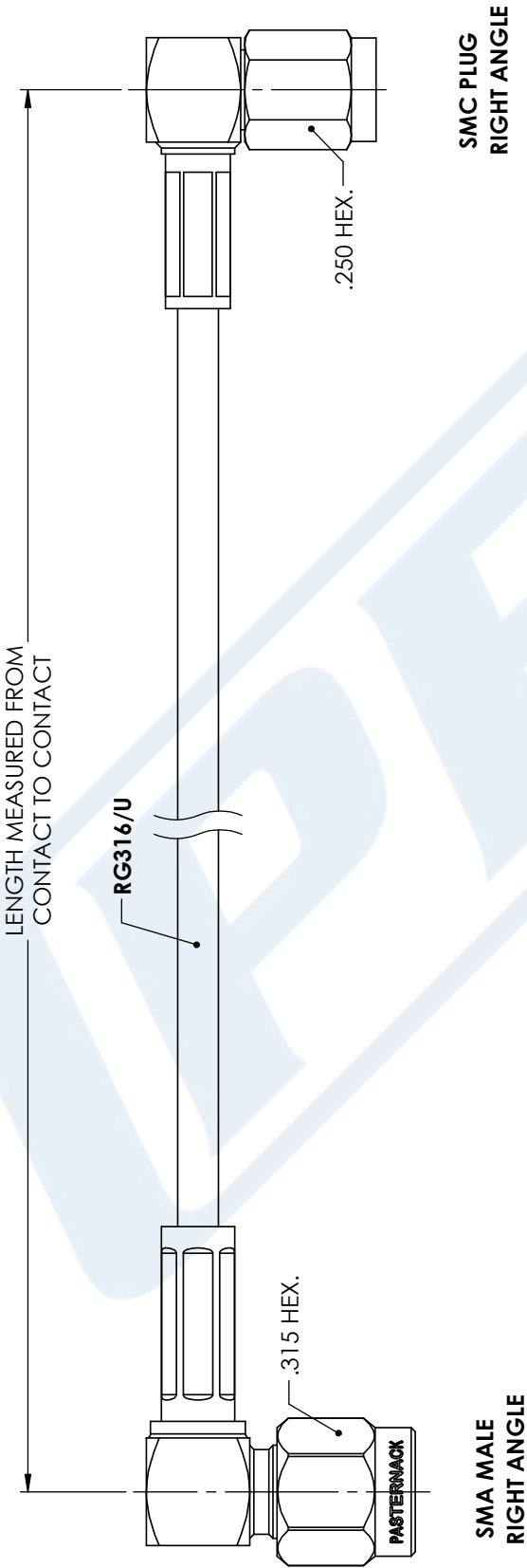
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMC Plug Right Angle Cable 150 CM Length Using RG316 Coax PE3740-150CM](https://www.pasternack.com/sma-male-smc-plug-rg316u-cable-assembly-pe3740-150cm-p.aspx)

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PE3740-150CM CAD Drawing

SMA Male Right Angle to SMC Plug Right Angle Cable 150 CM Length Using RG316 Coax



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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**PASTERNAK®**
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE	PE3740
CAGE CODE	53919

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].	CAD FILE	10/16/18	SCALE	N/A	SIZE	A
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