

## MMCX Plug to SMA Female Bulkhead Cable Using RG316 Coax



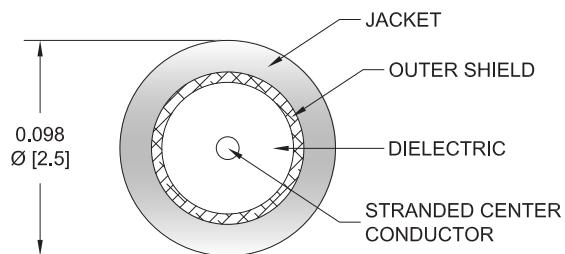
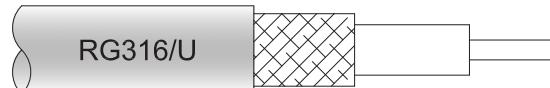
### PE3C3935

#### Configuration

- Connector 1: MMCX Plug
- Connector 2: SMA Female Bulkhead
- Cable Type: RG316
- Coax Flex Type: Flexible

#### Features

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



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C3935 MMCX plug to SMA female bulkhead 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 MMCX to SMA cable assembly has a plug to female gender configuration with 50 ohm flexible RG316 coax. The PE3C3935 MMCX plug 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
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

#### Specifications by Frequency

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### PE3C3935

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3C3935	Custom Lengths Available	Insertion Loss (Typ.)	0.11	0.16	0.24	0.38	0.58	dB/ft	
			0.37	0.53	0.79	1.25	1.91	dB/m	
PE3C3935-12	12 inch	Insertion Loss (Typ.)	0.31	0.36	0.44	0.58	0.78	dB	0.029
PE3C3935-24	24 inch	Insertion Loss (Typ.)	0.42	0.52	0.68	0.96	1.36	dB	0.04
PE3C3935-36	36 inch	Insertion Loss (Typ.)	0.53	0.68	0.92	1.34	1.94	dB	0.05
PE3C3935-48	48 inch	Insertion Loss (Typ.)	0.64	0.84	1.16	1.72	2.52	dB	0.06
PE3C3935-72	72 inch	Insertion Loss (Typ.)	0.86	1.16	1.63	2.48	3.68	dB	0.08

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB

Loss due to Connector 2: 0.1 dB

Base Weight: 0.029 pounds

Additional Weight per Inch: 0.00084 pounds

### Mechanical Specifications

#### Cable Assembly

Weight 0.029 lbs [13.15 g]

#### 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	MMCX Plug	SMA Female Bulkhead
Specification	BS EN 122340	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 $\mu$ in minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Gold	Brass, Gold
Outer Conductor Plating Specification	3 $\mu$ in minimum	
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification	3 $\mu$ in minimum	

#### Environmental Specifications

Operating Range Temperature -55 to +155 deg C

#### Compliance Certifications

(see product page for current document)

#### Plotted and Other Data

Notes:

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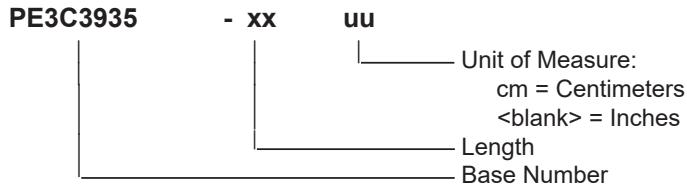


### PE3C3935

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3C3935-12 = 12 inches long cable  
PE3C3935-100cm = 100 cm long cable

MMCX Plug to SMA Female Bulkhead Cable 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.

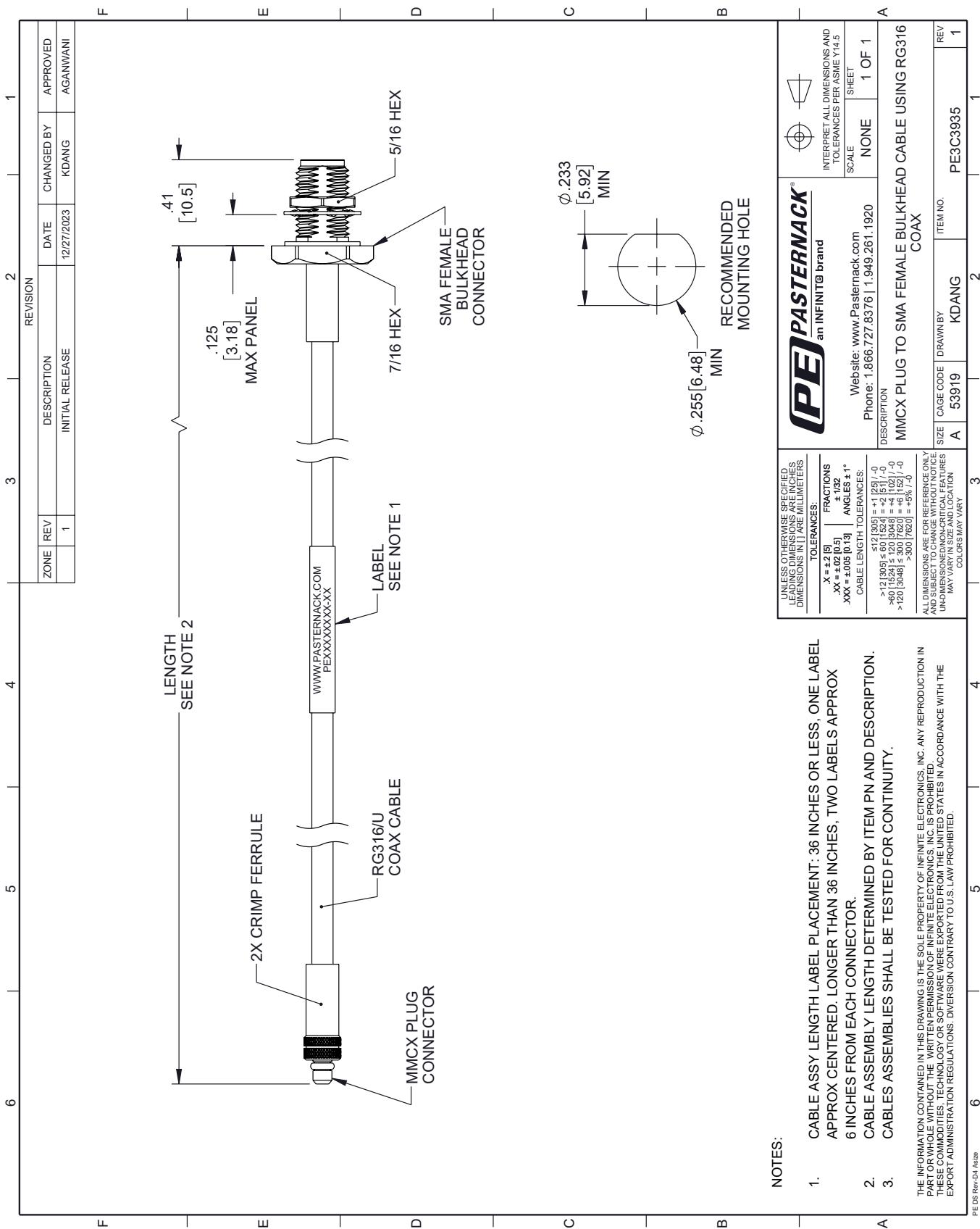
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug to SMA Female Bulkhead Cable Using RG316 Coax PE3C3935](#)

URL: <https://www.pasternack.com/mmcx-plug-to-sma-female-bulkhead-cable-using-rg316-pe3c3935-p.aspx>

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PE3C3935 CAD Drawing

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