

Snap-On MMBX Plug to SMA Female Bulkhead Cable 6 Inch Length Using RG316-DS Coax



# **RF Cable Assemblies Technical Data Sheet**

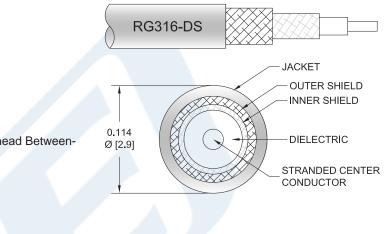
## PE3C4051-6

### Configuration

- Connector 1: Snap-On MMBX Plug
- Connector 2: SMA Female Bulkhead
- Cable Type: RG316-DS

### Features

- Max. Operating Frequency of 3 GHz
- Snap-On mating
- Low Profile Right Angle Configurations
- SMA Bulkhead, N Bulkhead and TNC Bulkhead Between-Series Configurations



### **Applications**

- General Purpose Test
- PCB Probing

- PCB Testing
  PCB-to-Panel
- PCB-to-Panel

#### Description

Pasternack's MMBX cable assemblies are part of our full line of RF components available for same-day shipping. These MMBX cable assemblies are designed to connect MMBX system components or test connections, delivering signal frequencies as high as 3 GHz. Our family of MMBX cables can also be used to connect from PCB to panel, offering between series MMBX options with SMA Bulkhead, TNC Bulkhead and N Bulkhead assembly configurations. If none of our standard options fit your application, you can specify your own custom MMBX cable assembly using Pasternack's online Cable Creator.

Our MMBX cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave cable assemblies allow designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right cable assemblies for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same day.

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Return Loss		-15.56		dB
Insertion Loss			0.44	dB
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Snap-On MMBX Plug to SMA Female Bulkhead Cable 6 Inch Length Using RG316-DS Coax PE3C4051-6

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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Description	F1	F2	<b>F3</b>	F4	F5	Uni
Frequency	0.1	0.25	0.5	1	3	GH
Insertion Loss (Max.)	0.24	0.27	0.3	0.34	0.44	dB
lechanical Specifications						
Cable Assembly			0	in [450 4 mm]		
Length*			0	in [152.4 mm]		
Cable						
Cable Type			R	G316-DS		
Impedance				0 Ohms		
Inner Conductor Type						
Inner Conductor Material and	d Plating	Copper Clad Steel, Silver				
Dielectric Type		PTFE				
Number of Shields			2			
Shield Layer 1		Silver Plated Copper Braid				
Shield Layer 2		Silver Plated Copper Braid				
Jacket Material		FEP, Tan				
Jacket Diameter			0	.114 in [2.9 m	m]	
Repeated Minimum Bend Ra	adius		0	.6 in [15.24 m	m]	
Connectors						
Description		Connector 1			Connector 2	
Туре			MMBX Plug	SMA Female Bulkhead		
Impedance		50 Ohms		50 Ohms		
Connection Method			Snap-On			
Mating Cycles			100	<u></u>		
Contact Material and Plating		Ber	yllium Copper,	Gold	Gold	
Dielectric Type	lation		PTFE			
Outer Conductor Material and P	lating		Brass, Gold			
Body Material and Plating			Brass, Gold		Brass,	Nickel

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PE3C4051-6

CERTIFIC





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F Cab	le Assemblies Technical		PE3C4051	
	Environmental Specifications Temperature Operating Range	-55 to	+155 deg C	
	Compliance Certifications (see proc	duct page for current document)		
	Plotted and Other Data Notes:			
	How to Order			
	Part Number Configuration:	PE3C4051	- xx uu	<ul> <li>Unit of Measure:</li> <li>cm = Centimeters</li> <li><blank> = Inches</blank></li> <li>Length</li> <li>Base Number</li> </ul>
	Example: PE3C4051-12 = 12 inc PE3C4051-100cm = 10			

Snap-On MMBX Plug to SMA Female Bulkhead Cable 6 Inch Length Using RG316-DS 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.

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URL: https://www.pasternack.com/mmbx-plug-sma-female-rg316-ds-cable-assembly-pe3c4051-6-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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PE3C4051-6 CAD Drawing Snap-On MMBX Plug to SMA Female Bulkhead Cable

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