

Snap-On MMBX Plug to SMA Female Cable 8 Inch Length Using ET-ET-RG174 Coax



RF Cable Assemblies Technical Data Sheet

ET25946

Configuration

Connector 1: Snap-On MMBX Plug

Connector 2: SMA Female
Cable Type: ET-RG174

Features

• Max. Operating Frequency of 1 GHz

Snap-On mating

Applications

General Purpose Test

PCB Probing

- PCB Testing
- PCB-to-Panel

Description

Ebeestock'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 Ebeestock's online Cable Creator.

Our MMBX cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock'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, Ebeestock has the right cable assemblies for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Return Loss		-15.56		dB
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		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: Snap-On MMBX Plug to SMA Female Cable 8 Inch Length Using ET-RG174 Coax ET25946



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Max.)	0.24	0.26	0.3	0.35	0.42	dB

Mechanical Specifications

Cable Assembly

Length* 8 in [203.2 mm]
Diameter 0.312 in [7.92 mm]

Cable

Cable Type
Impedance
Inner Conductor Type

ET-RG174

50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver Dielectric Type

Dielectric Type
Number of Shields

Shield Layer 1

Tinned Copper Braid

DVC Black

Jacket Material
PVC, Black
Jacket Diameter
0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2 SMA Female	
Type	MMBX Plug		
Specification		MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Connection Method	Snap-On		
Mating Cycles	100	100	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Contact Plating Specification		ASTM-B488	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Brass, Gold		
Body Material and Plating	Brass, Gold	Brass, Nickel	
Body Plating Specification		ASTM-B689	

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

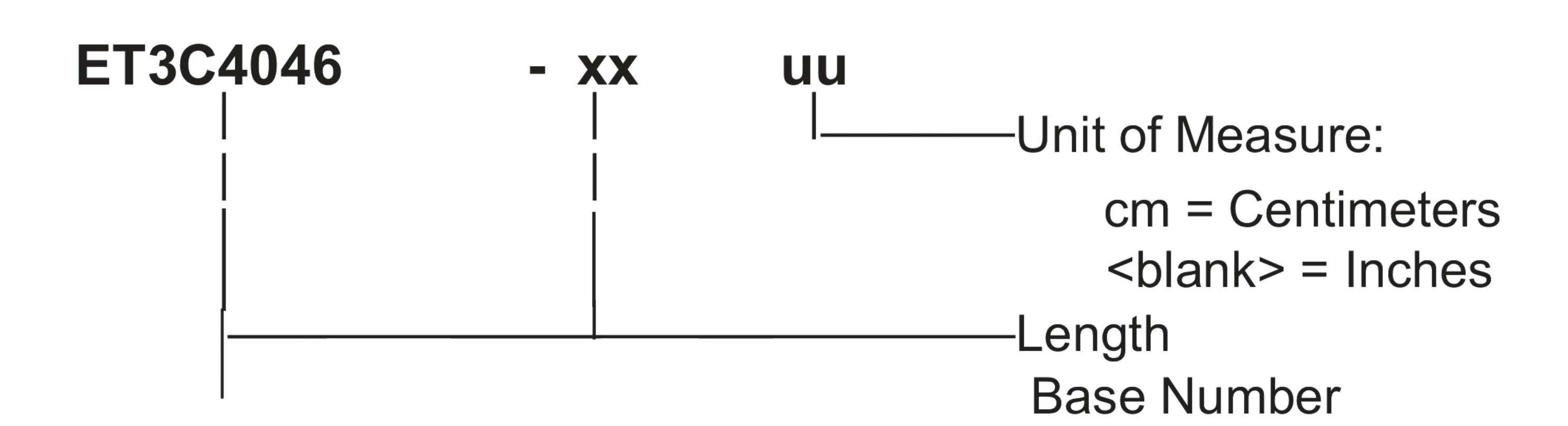
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: ET3C4046-12 = 12 inches long cable

ET3C4046-100cm = 100 cm long cable

Snap-On MMBX Plug to SMA Female Cable 8 Inch Length Using ET-RG174 Coax from Ebeestock 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.ebeestock.com/snap-on-mmbx-plug-to-sma-female-cable-4-inch-length-using-rg174-coax-0025944

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

