

N Female Bulkhead to UMCX 2.5 Plug Cable 12 Inch Length Usin g 1.37mm Coax, RoHS



TECHNICAL DATA SHEET

ET29011

Ebeestock's UMCX 2.5 series ultra-miniature coaxial cable assemblies (also called 2.5mm UMCX) have a mated connection height of only 2.5mm. They are constructed using a flexible micro-coax cable and are compatible with ultra-miniature products from companies such as Hirose, IPEX, and other UMCX connector and cable manufactures. Our UMCX 2.5 plug connectors are comparable in design to the Hirose U.FL series of connectors and the IPEX MHF series connectors. Ebeestock also provides three additional connector options for our between-series 0.81mm micro-coax jumper cables including UMCX 2.5, WMCX 1.6 and HMCX32 1.2 low profile connectors with differing form factors and mated heights.

Our UMCX 2.5 between series cables can be ordered with Female Bulkhead versions of SMA, Reverse Polarity SMA and Type N connectors as well as an SMA Male option. These cables provide a convenient connector interface for applications that require and RF signal to be routed to an external RF component such as an antenna or to provide a test point for the RF printed circuit board. Other coax cable options include 1.13mm, 1.37mm, ET-RG178, and ET-ET-RG178-DS (double shielded). These U.FL and MHF compatible UMCX 2.5 cable assemblies are available from stock in standard lengths, and custom lengths are available upon request. Standard length UMCX 2.5 cables ship the same day they are ordered.

Features

- 1.2mm, 1.6mm, 2.1mm and 2.5mm mated assembly height's
- Operate from DC to 6GHz
- 100% RF and Continuity tested

- Compatible with Hirose U.FL and IPEX MHF products
- Available in 0.81mm, 1.13mm, 1.37mm, ET-RG178 and ET-ET-RG178-DS shielded coax
- Small foot print with easy snap on/off mating

Applications

- Wireless LAN, Mini PCI
- Mobile Antenna/GPS/Radio
 Systems
- PDA/PCS/Cellular Handset applications
- Wireless Communications systems (LAN,GSM,PCS, WCDMA, UMTS)

Configuration

Connector 1

Connector 2

Cable Type

N Female Bulkhead

UMCX 2.5 Plug

1.37mm

Electrical Specifications

Frequency Range
DC to 3 GHz
Impedance
50 Ohms
1.35:1

Performance by Frequency

Frequency 1

Frequency
VSWR
1.35:1
Return Loss
Insertion Loss
0.47 dB

Frequency 2

Frequency 500 MHz VSWR 1.35:1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Female Bulkhead to UMCX 2.5 Plug Cable 12 Inch Length Using 1.37mm Coax, RoHS ET29011

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Return Loss Insertion Loss	16.54 dB 0.58 dB
Frequency VSWR Return Loss Insertion Loss	1000 MHz 1.35:1 16.54 dB 0.83 dB
Frequency Frequency VSWR Return Loss Insertion Loss	2.5 GHz 1.35:1 16.54 dB 1.12 dB
Frequency 5 Frequency	3 GHz

Mechanical Specifications

Temperature

Return Loss

Insertion Loss

Temperature Operating Range -55 to +125 deg C

Size

VSWR

Length 12 in [304.8 mm]

Cable

Cable Type
Inner Conductor Type
Cable Inner Conductor
No of Shields
Cable Outer Conductor 1

Tipped Copper

Cable Outer Conductor 1

Dielectric Type

FEP

Dielectric Type

Jacket Material

FEP

Jacket Diameter 0.053 in [1.35 mm]

Connector 1

Type N Female Bulkhead

Configuration Straight
Mount Method Bulkhead

Inner Conductor Material and Plating Phosphor Bronze, Gold

Body Material and Plating

Brass, Nickel

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1.35:1

1.2 dB

16.54 dB

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Connector 2

UMCX 2.5 Plug Type Straight Configuration

Compliance Certifications (visit for current document) RoHS Compliant

Yes

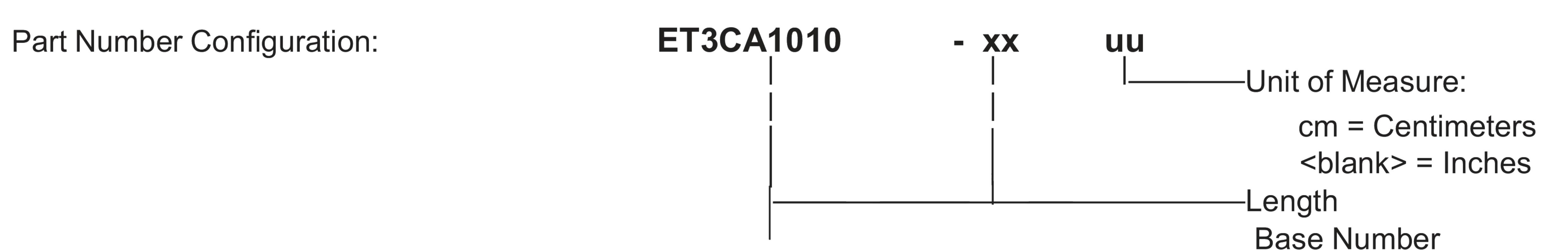
12/19/2011 REACH Compliant

Plotted and Other Data

Notes:

Values at +25 °C, sea level

How to Order



ET29011 = 12 inches long cable Example:

ET3CA1010-100cm = 100 cm long cable

N Female Bulkhead to UMCX 2.5 Plug Cable 12 Inch Length Using 1.37mm Coax, RoHS from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/n-female-bulkhead-to-umcx-2-5-plug-cable-6-inch-length-using-1-3 7mm-coax-rohs-0029010

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.

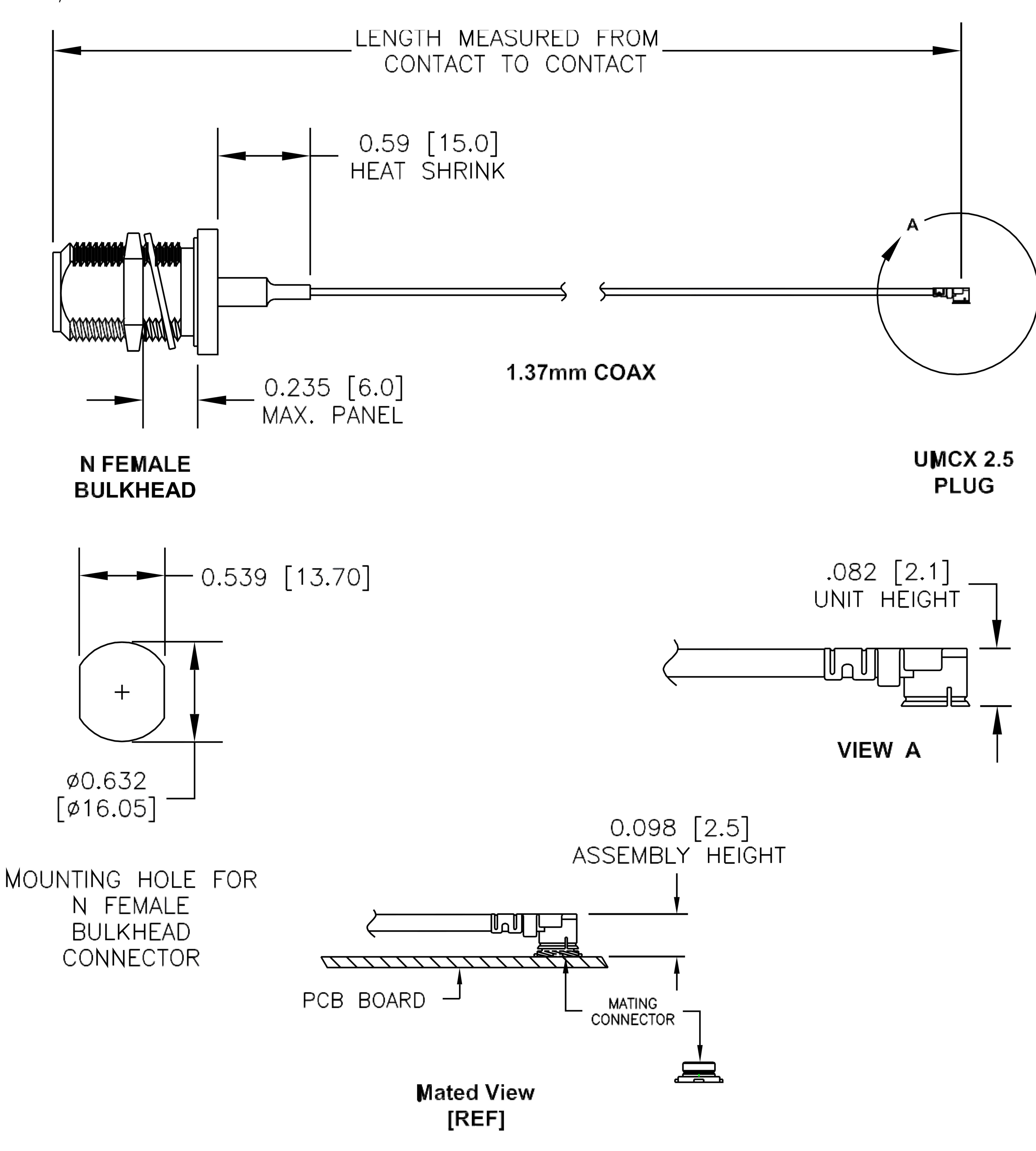
www.ebeestock.com

ET29011 CAD Drawing

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UMCX connectors are similar to U.FL*
*U.FL is a Registered Trademark of
Hirose Electronic Group

