



## TECHNICAL DATA SHEET

ET29021

Ebeestock's HMCX32 1.2 series ultra-miniature coaxial cable assemblies (also called 1.2mm UMCX) have a mated connection height of only 1.2mm. They are constructed using a flexible micro-coax cable and are compatible with ultra-miniature products from companies such as Hirose and IPEX cable manufactures. Our HMCX32 1.2 plug connectors are comparable in design to the Murata HSC series of connectors and the IPEX MHF4 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 HMCX32 1.2 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. These U.FL and MHF compatible HMCX32 1.2 cable assemblies are available from stock in standard lengths, and custom lengths are available upon request. Standard length HMCX32 1.2 cables ship the same day they are ordered.

#### Features

- 1.2mm mated assembly height
- Operate from DC to 6GHz
- 100% RF and Continuity tested

- Compatible with Murata HSC and IPEX MHF4 products
- 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 HMCX32 1.2 Plug

0.81mm

### Electrical Specifications

Frequency Range
Impedance
50 Ohms
Max VSWR
1.35:1

### Performance by Frequency

### Frequency 1

Frequency
VSWR
1.35:1
Return Loss
Insertion Loss
0.55 dB

### Frequency 2

Frequency 500 MHz VSWR 1.35:1 Return Loss 16.54 dB

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 HMCX32 1.2 Plug Cable 6 Inch Length Using 0.81mm Coax, RoHS ET29021

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





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Insertion Loss	0.78 dB
Frequency 3 Frequency VSWR Return Loss Insertion Loss	1000 MHz 1.35:1 16.54 dB 1.25 dB
Frequency 4 Frequency VSWR Return Loss Insertion Loss	2.5 GHz 1.35:1 16.54 dB 1.9 dB
Frequency 5 Frequency VSWR Return Loss	3 GHz 1.35:1 16.54 dB

## Mechanical Specifications

### Temperature

Insertion Loss

Temperature Operating Range -55 to +125 deg C

Size

Length 6 in [152.4 mm]

Cable

Cable Type
Inner Conductor Type
Cable Inner Conductor
No of Shields

O.81mm
Stranded
Copper, Silver

Cable Outer Conductor 1

Tinned Copper

FED

Dielectric Type

Jacket Material

FEP

Jacket Diameter 0.032 in [0.81 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

Connector 2

Type HMCX32 1.2 Plug

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2.07 dB

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Length

Base Number

Configuration Straight

Compliance Certifications (visit for current document) RoHS Compliant

REACH Compliant 12/19/2011

### Plotted and Other Data

Notes:

Values at +25 °C, sea level

#### How to Order

Part Number Configuration:

ET3CA1015
- xx uu

——Unit of Measure:
cm = Centimeters
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Example: ET3CA1015-12 = 12 inches long cable

ET3CA1015-100cm = 100 cm long cable

N Female Bulkhead to HMCX32 1.2 Plug Cable 6 Inch Length Using 0.81mm 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-hmcx32-1-2-plug-cable-6-inch-length-using-0 -81mm-coax-rohs-0029021

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.





