

SMA Male to HMCX32 1.2 Plug Cable 0.81mm Coax and RoHS Compliant

Fairview Microwave's HMCX32 1.2 (also known as 1.2mm UMCX) ultra-miniature cable assemblies have a mated connection height of 1.2mm. They are constructed using a flexible micro-coax cable and are comparable in design to Murata HSC®, IPEX MHF4® as well as other HMCX32 1.2 connector and cable manufactures. Fairview's other UMCX 2.5, WMCX 1.6 and HMCX32 1.2 connectors are also available for use on our 0.81mm in-series micro-coax jumpers.

Fairview's HMCX32 1.2 cables can be ordered in between-series configurations with Female Bulkhead versions of SMA, Reverse Polarity SMA and Type N connectors as well as an SMA Male option. With frequencies up to 6 GHz, these UMCX cables are perfectly suited for wireless communications such as Wi-Fi, Bluetooth, GPS, ZigBee and LTE. These cables offer a small form factor, flexible coax and provide a low profile RF connection perfect for board-to-board connectivity. Fairview's HMCX32 1.2 cable assemblies are available from stock in standard lengths and will ship same-day they are ordered. Custom lengths are also available upon request with slightly longer lead times.



Configuration:

- SMA Male
- HMCX32 1.2 Plug
- 0.81mm

Features:

- 1.2mm mated assembly height
- operate from DC to 6 GHz
- 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)

Electrical Specifications

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

Performance by Frequency

Description	F1	F2	F3	F4	F5
Frequency	250 MHz	500 MHz	1000 MHz	2.5 GHz	3 GHz
VSWR	1.35:1	1.35:1	1.35:1	1.35:1	1.35:1
Return Loss (dB)	16.54	16.54	16.54	16.54	16.54
Insertion Loss (dB/ft)	0.55	0.78	1.25	1.9	2.07
(dB/m)	1.8	2.56	4.1	6.23	6.79

Mechanical Specifications

Temperature

Temperature Operating Range	-55 to +125 deg C
-----------------------------	-------------------

Cable

Description	Cable
Cable Type	0.81mm
Inner Conductor Type	Stranded
Cable Inner Conductor	Copper, Silver
No of Shields	1
Cable Outer Conductor 1	Tinned Copper
Dielectric Type	FEP
Jacket Material	FEP
Jacket Diameter	0.032 in [0.81 mm]

Fairview Microwave
 1130 Junction Dr. #100
 Allen, TX 75013
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	HMCX32 1.2 Plug
Configuration	Straight	Straight
Inner Conductor Material & Plating	Brass, Gold	
Coupling Nut Material & Plating	Brass, Gold	
Body Material & Plating	Brass, Gold	

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant
 REACH Compliant

Yes
 12/19/2011

Notes:

- Values at +25 °C, sea level

How to Order

Part Number Configuration:

FMCA1030 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

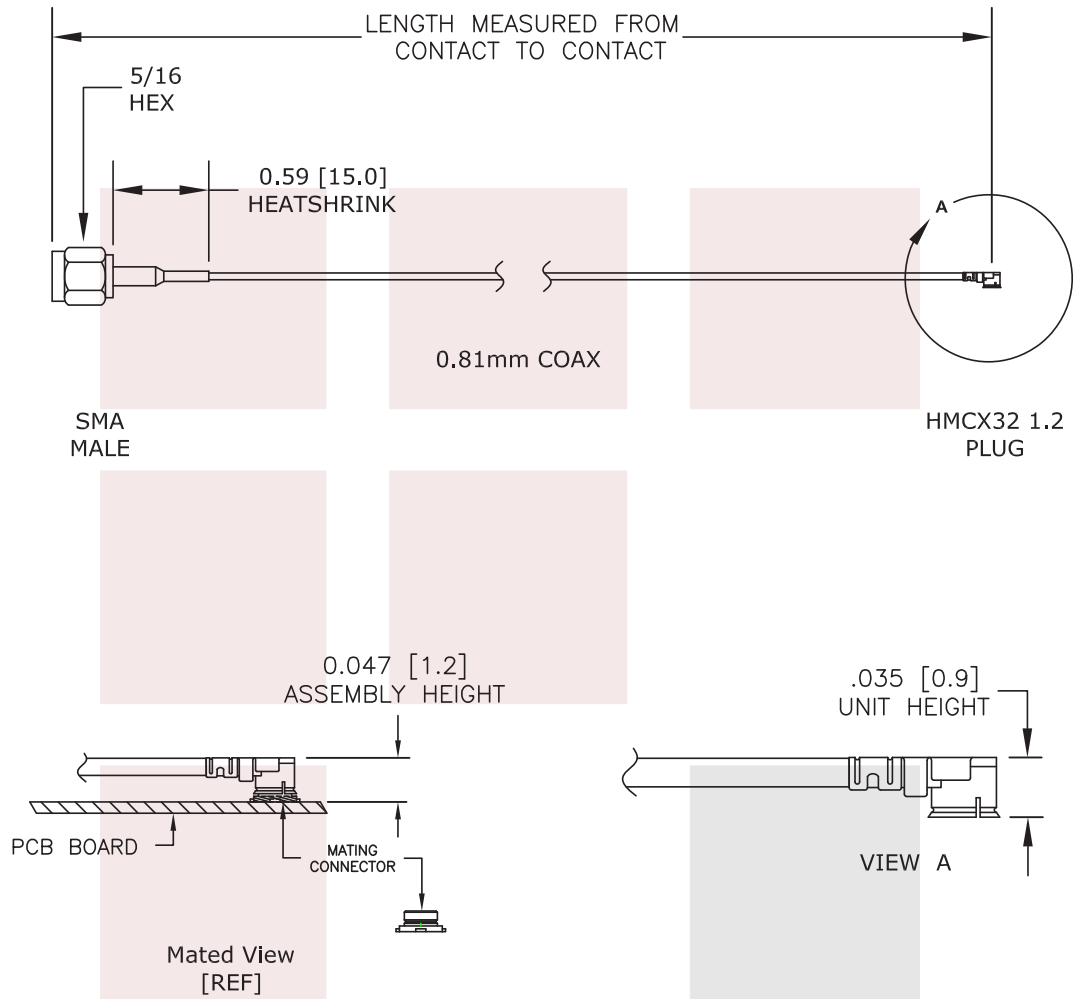
Example: FMCA1030-12 = 12 inches long cable
 FMCA1030-100cm = 100 cm long cable

SMA Male to HMCX32 1.2 Plug Cable 0.81mm Coax and RoHS Compliant from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to HMCX32 1.2 Plug Cable 0.81mm Coax and RoHS Compliant FMCA1030](#)

URL: <http://www.fairviewmicrowave.com/sma-male-hmcx32-1.2-plug-cable-0.81mm-coax-fmca1030-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SMA Male to HMCX32 1.2 Plug Cable 0.81mm Coax and RoHS Compliant		DWG NO FMCA1030		CAGE CODE 3FKR5	
CAD FILE	012715	SHEET	SCALE	N/A	SIZE A 200