



PE3CA1030-12

SMA Male to HMCX32 1.2 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS

TECHNICAL DATA SHEET

Pasternack'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. Pasternack 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.

ucts

SMA Male

DC to 3 GHz

50 Ohms

16.54 dB

1.35:1

0.81mm

HMCX32 1.2 Plug

Features

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

Applications

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

Compatible with Murata HSC and IPEX MHF4 prod-

Small foot print with easy snap on/off mating

Configuration

Connector 1 Connector 2 Cable Type

Electrical Specifications

Frequency Range Impedance Max VSWR

Performance by Frequency

Frequency 1 Frequency VSWR Return Loss Insertion Loss	1	250 MHz 1.35:1 16.54 dB 0.55 dB
Frequency 2 Frequency VSWR		500 MHz 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: SMA Male to HMCX32 1.2 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS PE3CA1030-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Return Loss



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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 Insertion Loss	3 GHz 1.35:1 16.54 dB 2.07 dB	
Mechanical Specifications			
	Temperature Temperature Operating Range	-55 to +125 deg C	
	Size Length	12 in [304.8 mm]	
	Cable Cable Type Inner Conductor Type Cable Inner Conductor No of Shields Cable Outer Conductor 1 Dielectric Type Jacket Material Jacket Diameter	0.81mm Stranded Copper, Silver 1 Tinned Copper FEP FEP 0.032 in [0.81 mm]	
	Connector 1 Type Configuration Inner Conductor Material and Plating Coupling Nut Material and Plating Body Material and Plating Connector 2 Type	SMA Male Straight Brass, Gold Brass, Gold Brass, Gold HMCX32 1.2 Plug	

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TECHNICAL DATA SHEET PE3CA1030-12 Configuration Straight Compliance Certifications (visit www.Pasternack.com for current document) **RoHS** Compliant Yes **REACH** Compliant 12/19/2011 **Plotted and Other Data** Notes: Values at +25 °C, sea level How to Order **PE3CA1030** Part Number Configuration: ΧХ uu Unit of Measure: cm = Centimeters <blank> = Inches Length **Base Number** Example: PE3CA1030-12 = 12 inches long cable PE3CA1030-100cm = 100 cm long cable

SMA Male to HMCX32 1.2 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS from Pasternack 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: http://www.pasternack.com/sma-male-hmcx32-1.2-plug-0.81mm-cable-assembly-pe3ca1030-12-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. <u>Pasternack does not make any representation or warranty regarding the suitability of the part</u> 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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PE3CA1030-12 CAD Drawing SMA Male to HMCX32 1.2 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS

