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

PE3CA1023-12 REV 1.1

Features

 1.2mm, 1.6mm, 2. mm and 2.5mm height's Operate from DC to 6GHz 100% RF and Continuity tested 	Availab RG178	De in 0.81mm, 1.13mm, 1.37mm, RG178 and -DS shielded coax oot 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	SMA Male	
Connector 2	UMCX 2.5	5 Plug
Cable Type	0.81mm	
Electrical Specifications		
Frequency Range	DC to 6 G	iHz
Impedance	50 Ohms	
Max VSWR	1.5:1	
Performance by Frequency		
Frequency 1		
Frequency	250 MHz	
VSWR	1.35:1	
Return Loss	16.54 dB	
Insertion Loss	0.55 dB	
Frequency 2		
Frequency	500 MHz	
VSWR	1.35:1	
•		obtain additional part information includ- 12 Inch Length Using 0.81mm Coax, RoHS

TECHNICAL DATA SHEET

SMA Male to UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS

1.2mm, 1.6mm, 2.1mm and 2.5mm mated assembly

Pasternack'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. 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 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, RG178, and 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.





PE3CA1023-12

Compatible with Hirose U.FL and IPEX MHF products





SMA Male to UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS



PE3CA1023-12

TECHNICAL DATA SHEET

Return Loss Insertion Loss	16.54 dB 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	6 GHz 1.5:1 13.98 dB 2.89 dB
Mechanical Specifications	
Temperature Temperature Operating Range Size Length Cable Cable Type Inner Conductor Type	-55 to +125 deg C 12 in [304.8 mm] 0.81mm Stranded
Cable Inner Conductor Type Cable Inner Conductor No of Shields Cable Outer Conductor 1 Dielectric Type Jacket Material Jacket Diameter	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	SMA Male Straight Brass, Gold Brass, Gold Brass, Gold

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 UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS PE3CA1023-12

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SMA Male to UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS



PE3CA1023-12

TECHNICAL DATA SHEET

Connector 2 Туре UMCX 2.5 Plug Configuration Straight Compliance Certifications (visit www.Pasternack.com 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 **PE3CA1023** Part Number Configuration: uu XX Unit of Measure: cm = Centimeters <blank> = Inches Length Base Number Example: PE3CA1023-12 = 12 inches long cable PE3CA1023-100cm = 100 cm long cable

SMA Male to UMCX 2.5 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.

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 UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS PE3CA1023-12

URL: http://www.pasternack.com/sma-male-umcx-2.5-plug-0.81mm-cable-assembly-pe3ca1023-12-p.aspx

PE3CA1023-12 REV 1.1

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

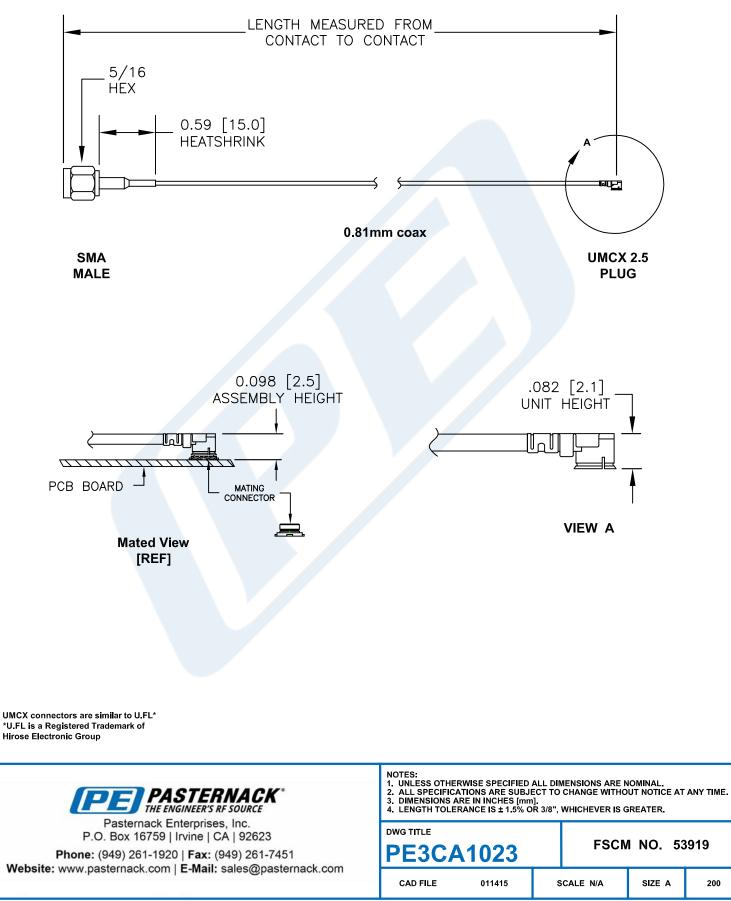
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Sales@Pasternack.com • Techsupport@Pasternack.com



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PE3CA1023-12 CAD Drawing SMA Male to UMCX 2.5 Plug Cable 12 Inch Length Using 0.81mm Coax, RoHS



200