



UMCX Plug Right Angle to MCX Jack Bulkhead
Cable 12 Inch Length Using 1.13mm Coax

RF Cable Assemblies Technical Data Sheet

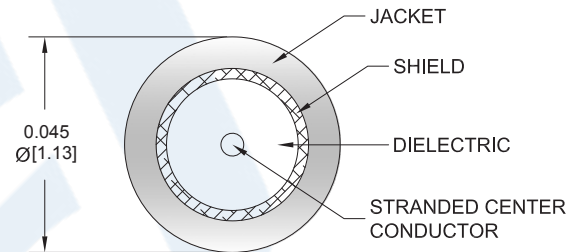
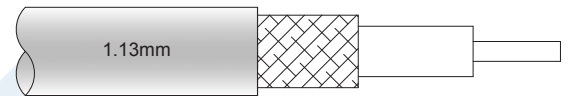
PE38298-12

Configuration

- Connector 1: UMCX Plug Right Angle
- Connector 2: MCX Jack Bulkhead
- Cable Type: 1.13mm

Features

- Max Frequency 3 GHz
- FEP Jacket
- Max Frequency 6 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use
- General Purpose
- Laboratory Use

Description

Pasternack's PE38298-12 UMCX plug right angle to MCX jack bulkhead 12 inch cable using 1.13mm coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack UMCX to MCX cable assembly has a plug to jack gender configuration with 50 ohm flexible 1.13mm coax. The PE38298-12 UMCX plug to MCX jack cable assembly operates to 6 GHz. The right angle UMCX interface on the 1.13mm cable allows for easier connections in tight spaces. Our RF cable assembly with MCX bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.8:1	

Mechanical Specifications

Cable Assembly Length*	12 in [304.8 mm]
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UMCX Plug Right Angle to MCX Jack Bulkhead Cable 12 Inch Length Using 1.13mm Coax PE38298-12](#)



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Diameter	0.044 in [1.12 mm]
Weight	0.008 lbs [3.63 g]
Cable	
Cable Type	1.13mm
Impedance	50 Ohms
Number of Shields	1
Jacket Material	FEP
Jacket Diameter	0.045 in [1.14 mm]

Connectors

Description	Connector 1	Connector 2
Type	UMCX Plug Right Angle	MCX Jack Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Phosphor Bronze, Gold	Beryllium Copper, Gold
Dielectric Type	PBT	PTFE
Body Material and Plating	Phosphor Bronze, Gold	Brass, Gold

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

Environmental Specifications

Temperature

Operating Range -20 to +65 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE38298

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE38298-12 = 12 inches long cable
PE38298-100cm = 100 cm long cable

UMCX Plug Right Angle to MCX Jack Bulkhead Cable 12 Inch Length Using 1.13mm Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: [UMCX Plug Right Angle to MCX Jack Bulkhead Cable 12 Inch Length Using 1.13mm Coax PE38298-12](https://www.pasternack.com/umcx-plug-mcx-jack-1.13mm-cable-assembly-pe38298-12-p.aspx)

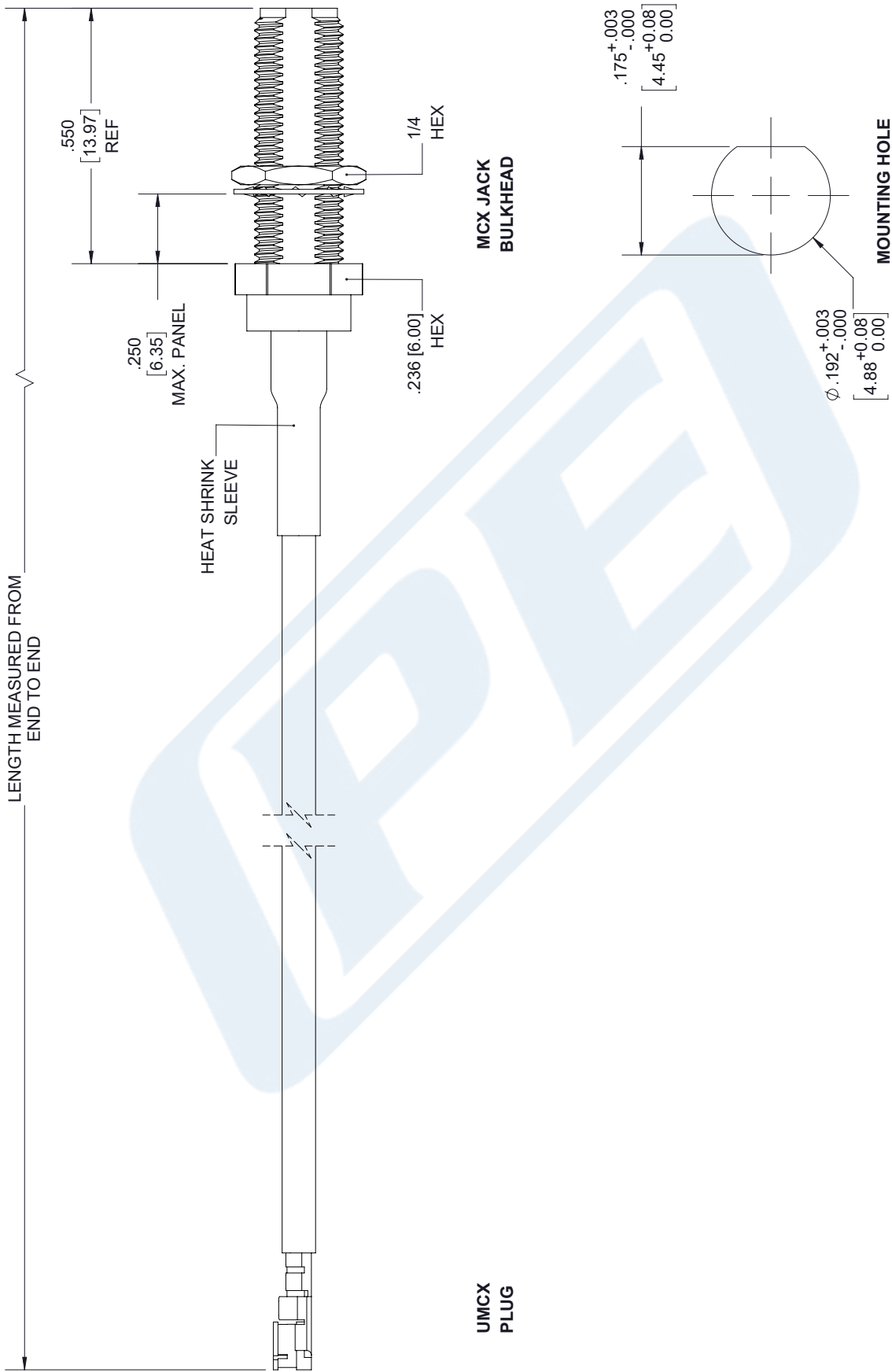
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE38298-12 CAD Drawing

UMCX Plug Right Angle to MCX Jack Bulkhead Cable 12 Inch Length Using 1.13mm Coax

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	01/31/19
		APPROVED J.GARCIA



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X±.2 [5.08] FRACTIONS ±.132</p> <p>.XX±.01 [.25] ANGLES ± 1°</p> <p>.XXX±.005 [.13]</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p>	<p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p>
		<p>SHEET 1 OF 1</p> <p>SCALE N/A</p>
<p>SIZE A</p> <p>CAGE 53919</p> <p>DRAWN BY KDANG</p> <p>PART NUMBER PE38298</p>	<p>REV A</p>	

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