



MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

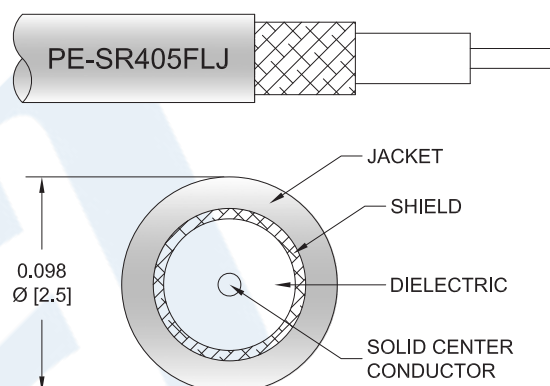
PE39436/HS

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR405FLJ

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39436/HS MMCX plug right angle to SMA female bulkhead cable using PE-SR405FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack MMCX to SMA cable assembly has a plug to female gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE39436/HS MMCX plug to SMA female cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink PE39436/HS](#)



MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE39436/HS

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	6	GHz
Insertion Loss (Typ.)	0.15	0.225	0.346	0.549	0.601	dB/ft
	0.49	0.74	1.14	1.8	1.97	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.027 lbs [12.25 g]

Cable

Cable Type PE-SR405FLJ
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Outer Conductor Material and Plating Tinned Copper Composite Braid
Jacket Material FEP, Black
Jacket Diameter 0.105 in [2.67 mm]

One Time Minimum Bend Radius 0.5 in [12.7 mm]
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink PE39436/HS](#)



MMCX Plug Right Angle to SMA Female Bulkhead
Cable Using PE-SR405FLJ Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE39436/HS

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	SMA Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Beryllium Copper, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink PE39436/HS](#)



MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE39436/HS

How to Order

Part Number Configuration:

PE39436/HS

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE39436/HS-12 = 12 inches long cable
PE39436/HS-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink 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.

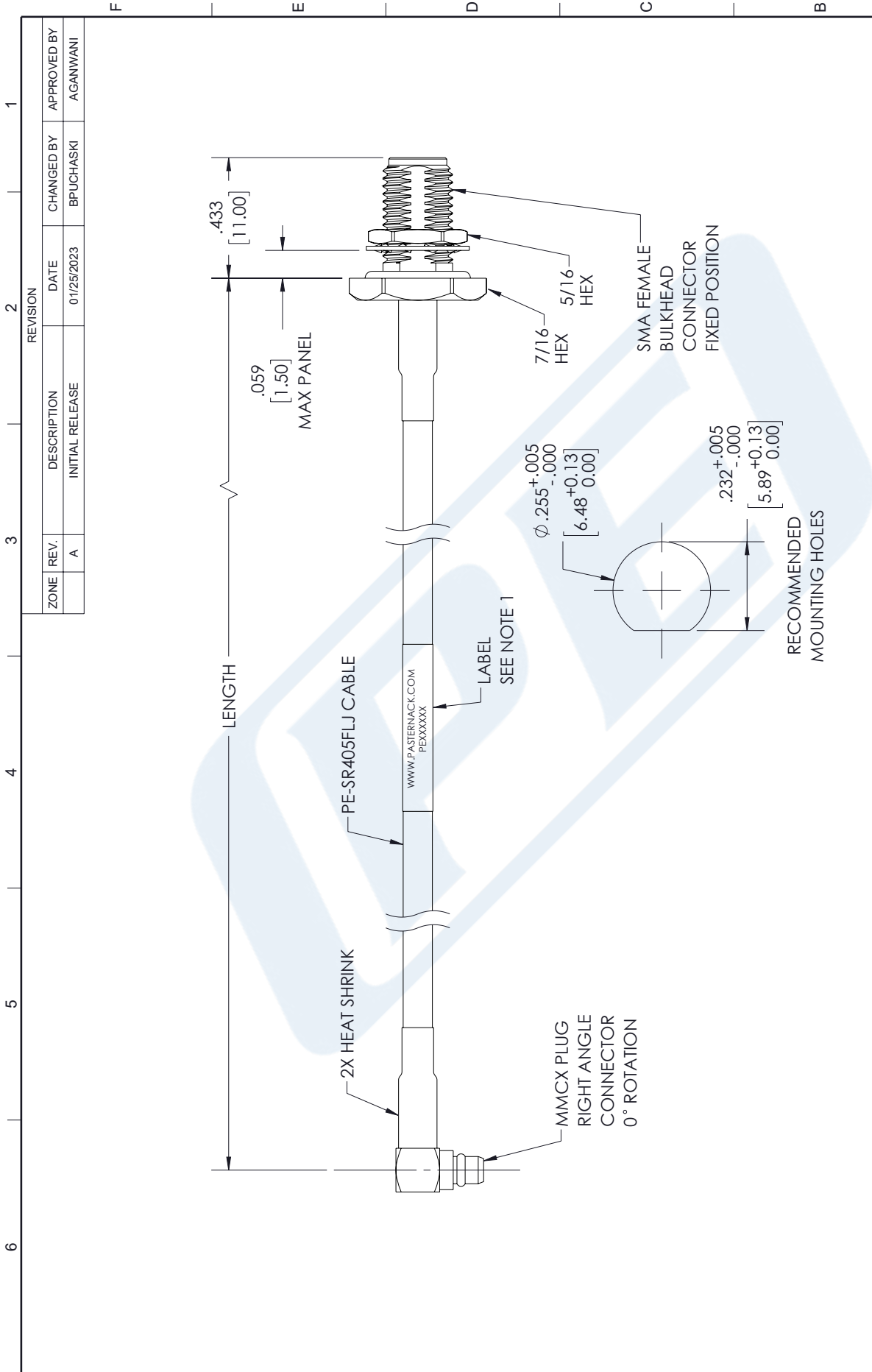
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink PE39436/HS](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-sma-female-bulkhead-cable-using-pe-sr405flj-with-heatshrink-pe39436-hs-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. 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.

PE39436/HS CAD Drawing

MMCX Plug Right Angle to SMA Female Bulkhead Cable
Using PE-SR405FLJ Coax with HeatShrink



NOTES:				6				5				4				3				2				1																																			
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS , ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.																				2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY																																							
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.																																																											
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS																																																											
TOLERANCES:																																																											
X = ±.2 [5]																				FRACTIONS ± 1/32																																							
.XX = ±.02 [.5]																				ANGLES ± 1°																																							
XXX = ±.005 [.13]																																																											
CABLE LENGTH TOLERANCES:																																																											
≤12 [305] = +.1 [25] / -0																																																											
>12 [305] ≤ 60 [1524] = +.2 [5] / -0																																																											
>60 [1524] ≤ 120 [3048] = +.4 [102] / -0																																																											
>120 [3048] ≤ 300 [7620] = +.6 [152] / -0																																																											
>300 [7620] = +5% / -0																																																											
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.																																																											
SIZE										CAGE CODE										DRAWN BY										ITEM NO.																													
A										53919										BPUCHASKI										PE39436/HS																													
REV										A																																																	
A										A																																																	
DESCRIPTION																				MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax with HeatShrink																																							
Website: www.Pasternack.com																				Phone: 1.866.727.8376 1.949.261.1920																																							
SCALE																				NONE																				SHEET 1 OF 1																			
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5																																																											
A																				A																				A																			

NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.