

MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316-DS Coax with HeatShrink, LF Solder



RF Cable Assemblies Technical Data Sheet

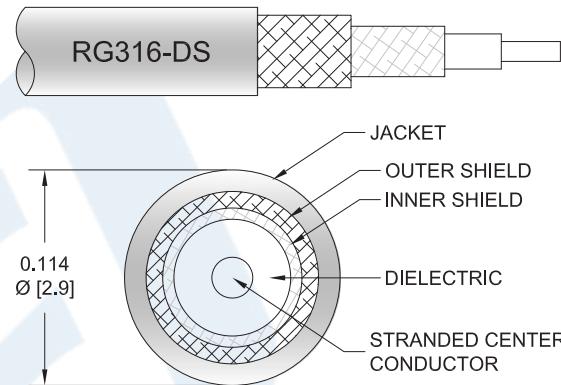
PE35087LF/HS

Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: RG316-DS

Features

- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35087LF/HS MCX plug right angle to SMA male right angle cable using RG316-DS 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 MCX to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible RG316-DS coax. The right angle MCX and right angle SMA interfaces on the RG316-DS cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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 |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316-DS Coax with Heat-Shrink, LF Solder PE35087LF/HS](#)

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Cable

| | |
|--------------------------------------|----------------------------|
| Cable Type | RG316-DS |
| Impedance | 50 Ohms |
| Inner Conductor Type | Stranded |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 2 |
| Shield Layer 1 | Silver Plated Copper Braid |
| Shield Layer 2 | Silver Plated Copper Braid |
| Jacket Material | FEP, Tan |
| Jacket Diameter | 0.114 in [2.9 mm] |

Repeated Minimum Bend Radius

0.6 in [15.24 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|----------------------|----------------------|
| Type | MCX Plug Right Angle | SMA Male Right Angle |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | | Brass, Gold |
| Contact Plating Specification | | 50 μ in minimum |
| Dielectric Type | | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | | 100 μ in minimum |
| Coupling Nut Material and Plating | | Brass, Nickel |
| Coupling Nut Plating Specification | | 100 μ in minimum |
| Hex Size | | 5/16 inch |
| Torque | | 3 in-lbs [0.34 Nm] |

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: [MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316-DS Coax with Heat-Shrink, LF Solder PE35087LF/HS](#)

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PE35087LF/HS

How to Order

Part Number Configuration:

PE35087LF/HS - xx**uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE35087LF/HS-12 = 12 inches long cable
PE35087LF/HS-100cm = 100 cm long cable

MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316-DS Coax with HeatShrink, LF Solder 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.

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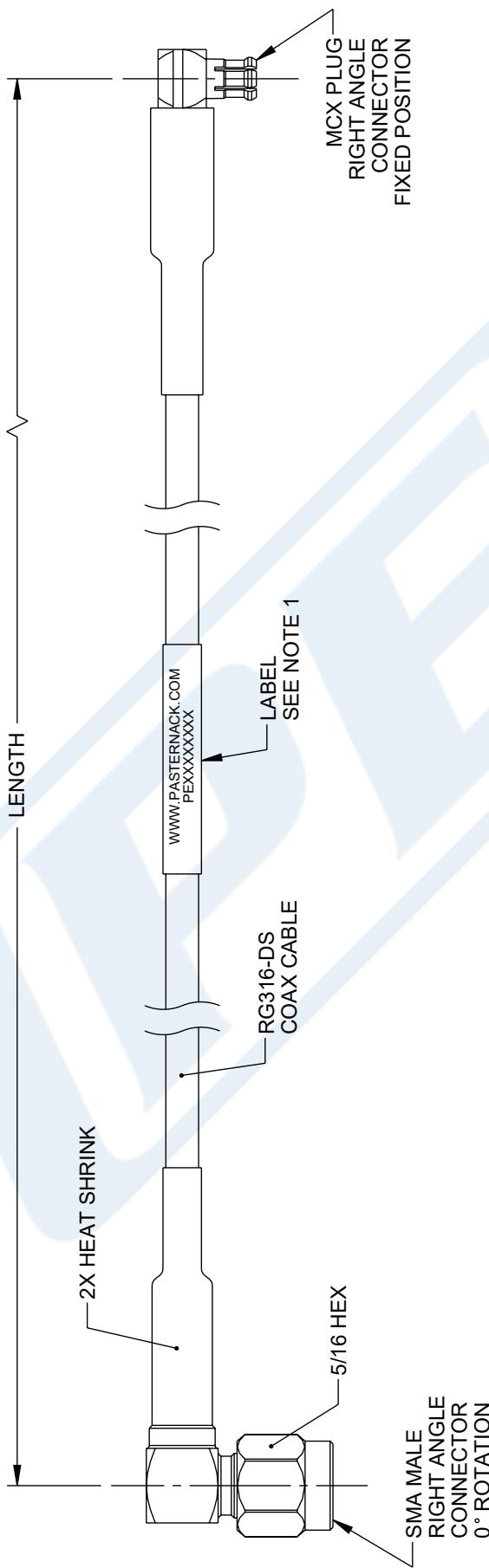
URL: <https://www.pasternack.com/mcx-plug-right-angle-to-sma-male-cable-using-rg316-ds-with-heatshrink-lf-solder-pe35087lf-hs-p.aspx>

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.

PE35087LF/HS CAD Drawing

MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316-DS Coax with HeatShrink, LF Solder

| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
|------|-----|-----------------|-----------|------------|----------|
| | A | INITIAL RELEASE | 4/17/2023 | KDANG | AGANWANI |



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

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|--|-----------------------|--|--------------------------|-----------|------------------|--------|--|--------------------|---------|--|-------------|-----------------------|---|--|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>PASTERNACK® an INFINITI® brand</p> | |  | | | | | | | | | | | | |
| <p>TOLERANCES:</p> <table border="0"> <tr> <td>$X = \pm 2$</td> <td>$[.5]$</td> <td>FRACTIONS</td> </tr> <tr> <td>$.XX = \pm 0.02$</td> <td>$[.5]$</td> <td></td> </tr> <tr> <td>$.XXX = \pm 0.005$</td> <td>$[.13]$</td> <td></td> </tr> </table> <p>CABLE LENGTH TOLERANCES:</p> <table border="0"> <tr> <td>$\pm 1/162$</td> <td>ANGLES: $\pm 1^\circ$</td> </tr> </table> | | $X = \pm 2$ | $[.5]$ | FRACTIONS | $.XX = \pm 0.02$ | $[.5]$ | | $.XXX = \pm 0.005$ | $[.13]$ | | $\pm 1/162$ | ANGLES: $\pm 1^\circ$ |  | |
| $X = \pm 2$ | $[.5]$ | FRACTIONS | | | | | | | | | | | | |
| $.XX = \pm 0.02$ | $[.5]$ | | | | | | | | | | | | | |
| $.XXX = \pm 0.005$ | $[.13]$ | | | | | | | | | | | | | |
| $\pm 1/162$ | ANGLES: $\pm 1^\circ$ | | | | | | | | | | | | | |
| <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y4.45</p> | | <p>SCALE NONE</p> <p>1 OF 1</p> | | | | | | | | | | | | |
| <p>Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920</p> | | <p>DESCRIPTION MCX Plug Right Angle to SMA Male Right Angle Cable Using RG316- DS Coax with HeatShink, LF Solder</p> | | | | | | | | | | | | |
| SIZE A | CAGE CODE 53919 | DRAWN BY KDANG | ITEM NO. PE35087LF/HS | | | | | | | | | | | |
| <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.</p> | | <p>REV A</p> | | | | | | | | | | | | |