



Mini SMP Female Right Angle to N Male Cable Using PE-047SR Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W14115/HS

Configuration

- Connector 1: Mini SMP Female Right Angle
- Connector 2: N Male
- Cable Type: PE-047SR

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W14115/HS Mini SMP female right angle to type N male cable using PE-047SR coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack Mini SMP to type N cable assembly has a female to male gender configuration with 50 ohm semi-rigid PE-047SR coax. The right angle Mini SMP interface on the PE-047SR cable allows for easier connections in tight spaces.

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.

Mechanical Specifications

Cable Assembly

Weight 0.064 lbs [29.03 g]

Cable

Cable Type PE-047SR
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 Copper

Repeated Minimum Bend Radius 0.05 in [1.27 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Right Angle to N Male Cable Using PE-047SR Coax with HeatShrink PE3W14115/HS](#)



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Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female Right Angle	N Male
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		MIL-G-45204
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		QQ-N-290

Environmental Specifications

Temperature

Operating Range -55 to +100 deg C

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

Plotted and Other Data

Notes:

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PE3W14115/HS

How to Order

Part Number Configuration:

PE3W14115/HS - xx uu

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

Example: PE3W14115/HS-12 = 12 inches long cable
PE3W14115/HS-100cm = 100 cm long cable

Mini SMP Female Right Angle to N Male Cable Using PE-047SR 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.

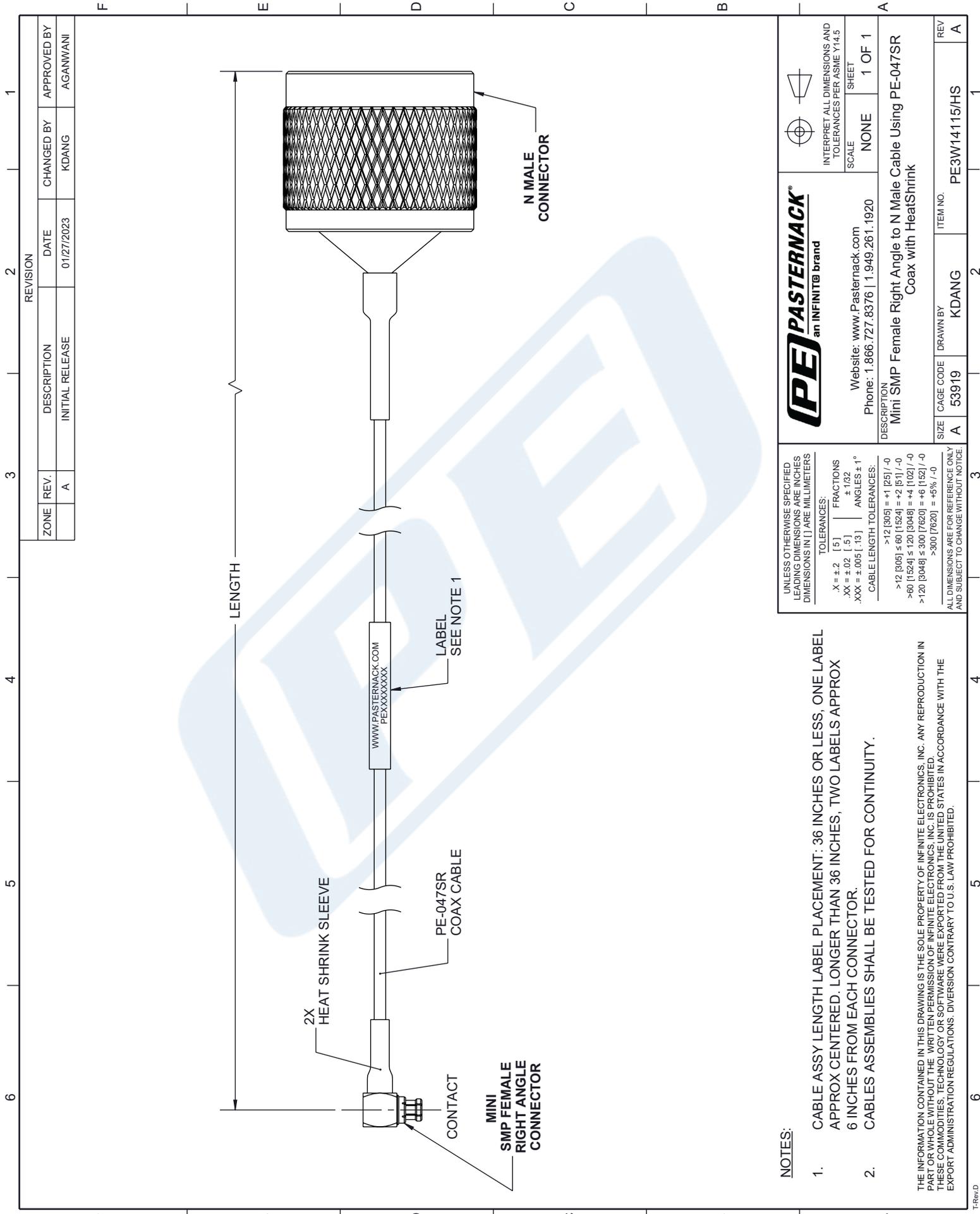
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female Right Angle to N Male Cable Using PE-047SR Coax with HeatShrink PE3W14115/HS](#)

URL: <https://www.pasternack.com/mini-smp-female-right-angle-to-n-male-cable-using-pe-047sr-with-heatshrink-pe3w14115-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.

PE3W14115/HS CAD Drawing

Mini SMP Female Right Angle to N Male Cable Using PE-047SR Coax with HeatShrink



REVISION		DATE	CHANGED BY	APPROVED BY
ZONE	REV.	DESCRIPTION	INITIAL RELEASE	
	A		01/27/2023	AGANWANI

PE PASTERNAK
an INFINIT® brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION:
Mini SMP Female Right Angle to N Male Cable Using PE-047SR Coax with HeatShrink

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

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 [51] / -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: A

CAGE CODE: 53919

DRAWN BY: KDANG

ITEM NO.: PE3W14115/HS

REV: A

NOTES:

- 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.

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