



SMA Male Right Angle to N Female Cable  
Using RG142 Coax with HeatShrink

**RF Cable Assemblies Technical Data Sheet**

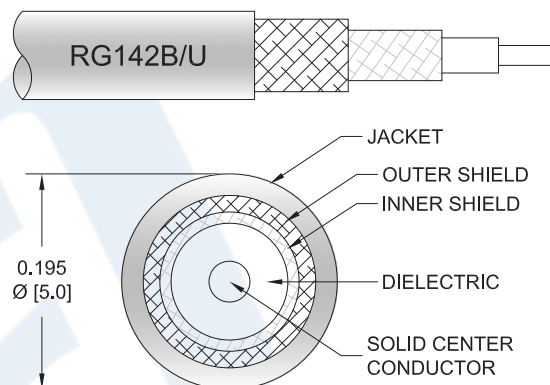
**PE3386/HS**

**Configuration**

- Connector 1: SMA Male Right Angle
- Connector 2: N Female
- Cable Type: RG142

**Features**

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3386/HS SMA male right angle to type N female cable using RG142 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 SMA to type N cable assembly has a male to female gender configuration with 50 ohm flexible RG142 coax. The PE3386/HS SMA male to type N female cable assembly operates to 6 GHz. The right angle SMA interface on the RG142 cable allows 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Cable Using RG142 Coax with HeatShrink PE3386/HS](#)



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**PE3386/HS**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.054	0.079	0.13	0.21	0.36	dB/ft
	0.18	0.26	0.43	0.69	1.18	dB/m

**Electrical Specification Notes:**

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

**Mechanical Specifications**

**Cable Assembly**

Weight 0.117 lbs [53.07 g]

**Cable**

Cable Type RG142  
Impedance 50 Ohms  
Inner Conductor Type Solid  
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 0.195 in [4.95 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

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**PE3386/HS**

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	N Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

**Environmental Specifications**

**Temperature**

Operating Range -55 to +165 deg C

**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: [SMA Male Right Angle to N Female Cable Using RG142 Coax with HeatShrink PE3386/HS](#)



## SMA Male Right Angle to N Female Cable Using RG142 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

**PE3386/HS**

#### How to Order

Part Number Configuration:

**PE3386/HS**

**- xx**

**uu**

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

Example: PE3386/HS-12 = 12 inches long cable  
PE3386/HS-100cm = 100 cm long cable

SMA Male Right Angle to N Female Cable Using RG142 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.

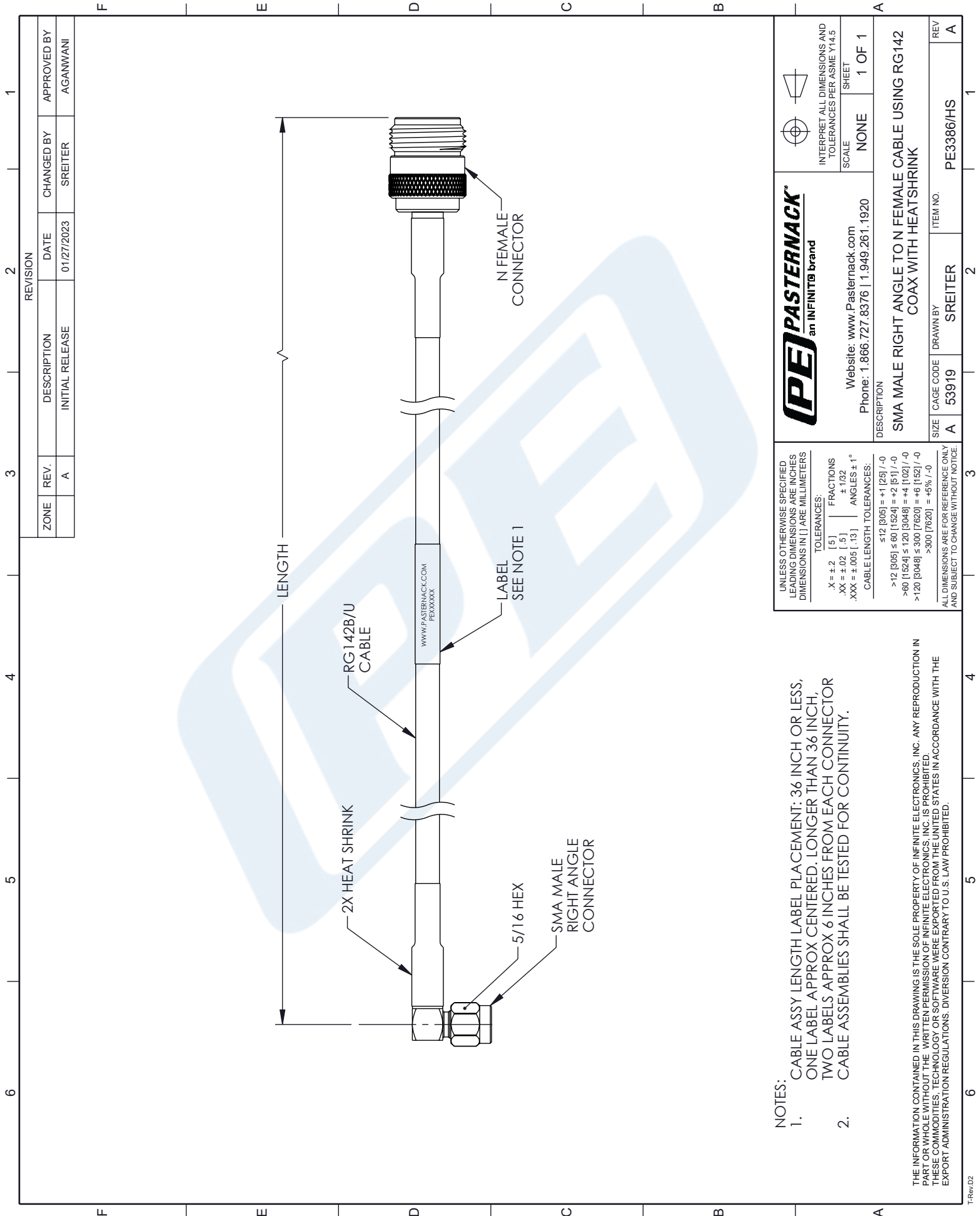
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Cable Using RG142 Coax with HeatShrink PE3386/HS](#)

URL: <https://www.pasternack.com/sma-male-right-angle-to-n-female-cable-using-rg142-with-heatshrink-pe3386-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.

# PE3386/HS CAD Drawing

SMA Male Right Angle to N Female Cable Using RG142 Coax with HeatShrink



## NOTES:

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

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<b>PASTERNAK</b> an INFINITO brand		 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION: <b>SMA MALE RIGHT ANGLE TO N FEMALE CABLE USING RG142 COAX WITH HEATSHRINK</b>	
SIZE: A CAGE CODE: 53919	DRAWN BY: SREITER	ITEM NO.: PE3386/HS	REV: A

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5]	FRACTIONS
.XX = ±.02 [.5]	±.1/32
.XXX = ±.005 [.13]	ANGLES ± 1°

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.