



## Reverse Polarity TNC Male to SMA Male Right Angle Cable 36 Inch Length Using LMR-240 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W01505/HS-36

#### Configuration

- Connector 1: TNC Male Reverse Polarity
- Connector 2: SMA Male Right Angle
- Cable Type: LMR-240

#### Features

- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W01505/HS-36 reverse polarity TNC male to SMA male right angle 36 inch cable using LMR-240 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 reverse polarity TNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible LMR-240 coax. The right angle SMA interface on the LMR-240 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.

#### Mechanical Specifications

##### Cable Assembly

Length*	36 in [914.4 mm]
Diameter	0.59 in [14.99 mm]

##### Cable

Cable Type	LMR-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Male to SMA Male Right Angle Cable 36 Inch Length Using LMR-240 Coax with HeatShrink PE3W01505/HS-36](#)



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Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.24 in [6.1 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Flat Plate Crush	20 lbs/in [0.36 Kg/mm]
Tensile Strength	80 lbs [36.29 Kg]

#### Connectors

Description	Connector 1	Connector 2
Type	TNC Male Reverse Polarity	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Coupling Nut Material and Plating	Brass, Nickel	Brass, Gold
Hex Size		5/16 inch
Torque		3 in-lbs [0.34 Nm]

#### 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 -40 to +85 deg C

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

#### Plotted and Other Data

Notes:

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PE3W01505/HS-36

#### How to Order

Part Number Configuration:

**PE3W01505/HS**

- **xx**

**uu**

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

Example: PE3W01505/HS-12 = 12 inches long cable  
PE3W01505/HS-100cm = 100 cm long cable

Reverse Polarity TNC Male to SMA Male Right Angle Cable 36 Inch Length Using LMR-240 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.

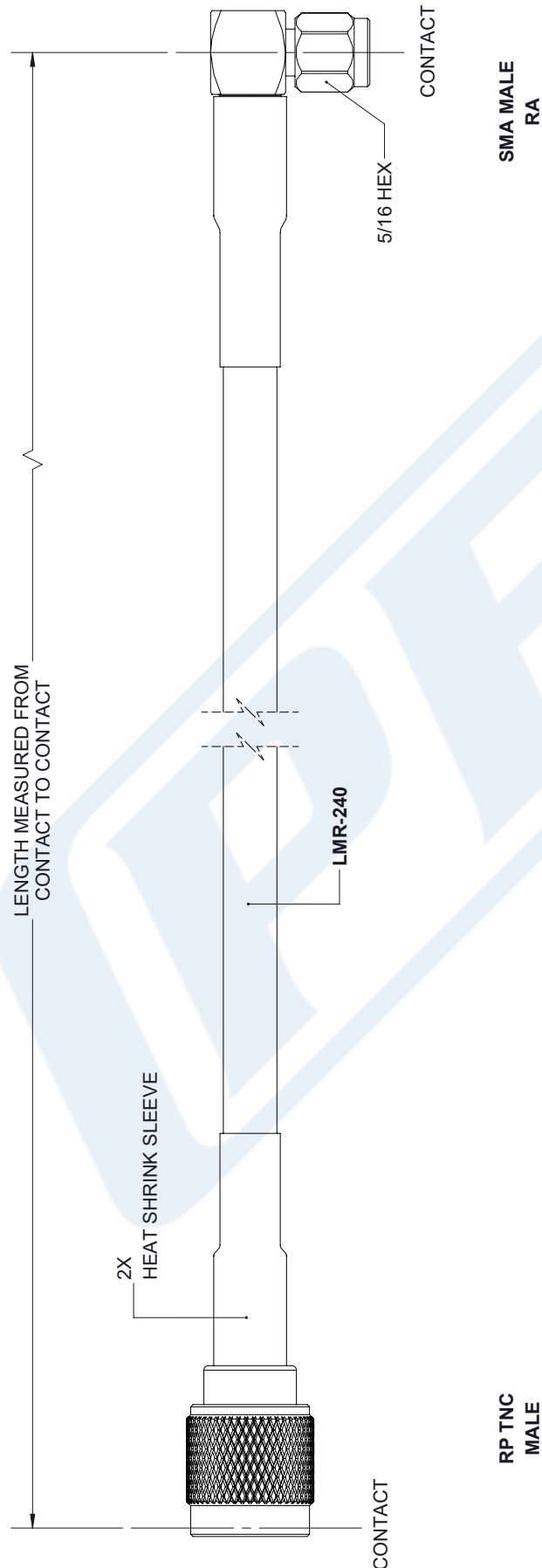
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity TNC Male to SMA Male Right Angle Cable 36 Inch Length Using LMR-240 Coax with HeatShrink PE3W01505/HS-36](#)

URL: <https://www.pasternack.com/tnc-male-sma-male-lmr240-cable-assembly-pe3w01505-hs-36-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.

**PE3W01505/HS-36 CAD Drawing**  
Reverse Polarity TNC Male to SMA Male Right Angle Cable  
36 Inch Length Using LMR-240 Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/30/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [.25]	
.XXX±.005 [.13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

**PASTERNAK**  
an INFINITO brand

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SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	K.DANG	PE3W01505/HS

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SCALE	N/A		
REV			A

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