



Reverse Polarity TNC Plug Right Angle to TNC Male Right Angle Cable Using RG58 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

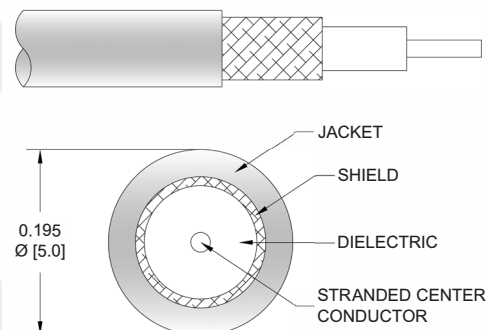
PE3W12389/HS

Configuration

- Connector 1: TNC Plug Reverse Polarity Right Angle
- Connector 2: TNC Male Right Angle
- Cable Type: RG58

Features

- Max Frequency 3 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W12389/HS reverse polarity TNC plug right angle to TNC male right angle cable using RG58 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 TNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG58 coax. The PE3W12389/HS reverse polarity TNC plug to TNC male cable assembly operates to 3 GHz. The right angle TNC interfaces on the RG58 cable allow 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.

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 Plug Right Angle to TNC Male Right Angle Cable Using RG58 Coax with HeatShrink PE3W12389/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.049	0.074	0.116	0.2	0.15	dB/ft
	0.16	0.24	0.38	0.66	0.49	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.173 lbs [78.47 g]

Cable

Cable Type RG58
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper, Tin
Dielectric Type PE
Number of Shields 1
Shield Layer 1 Tinned Copper Braid
Jacket Material PVC (NC), Black
Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 0.98 in [24.89 mm]
Repeated Minimum Bend Radius 1.96 in [49.78 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Plug Reverse Polarity Right Angle	TNC Male Right Angle
Specification	MIL-C-39012	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 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	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

Mechanical Specification Notes:

When attaching the connector to the cable, use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

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PE3W12389/HS

How to Order

Part Number Configuration:

PE3W12389/HS

- **xx**

uu

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

Example: PE3W12389/HS-12 = 12 inches long cable
PE3W12389/HS-100cm = 100 cm long cable

Reverse Polarity TNC Plug Right Angle to TNC Male Right Angle Cable Using RG58 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.

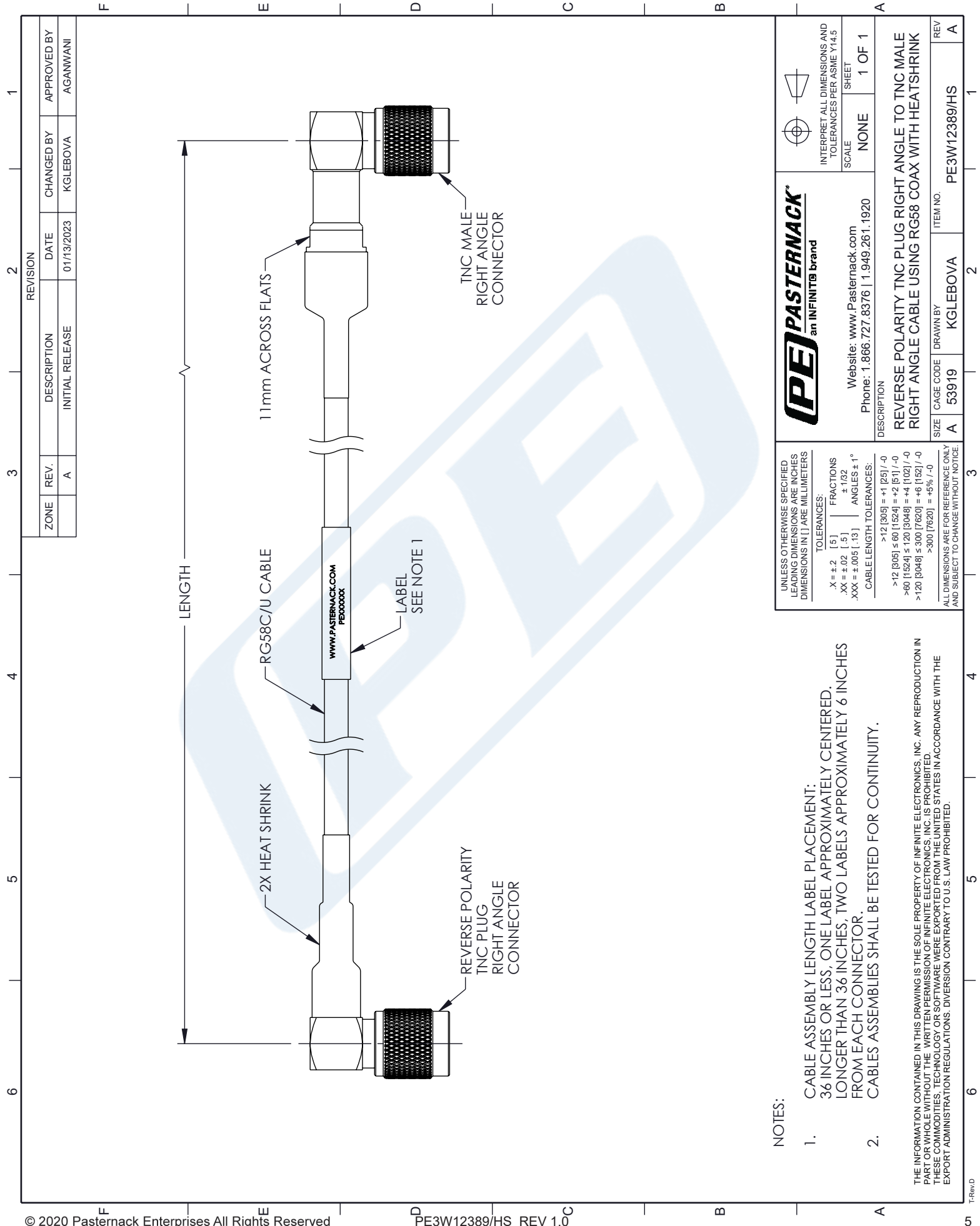
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URL: <https://www.pasternack.com/reverse-polarity-tnc-plug-right-angle-to-tnc-male-cable-using-rg58-with-heatshrink-pe3w12389-hs-p.aspx>

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.

PE3W12389/HS CAD Drawing

Reverse Polarity TNC Plug Right Angle to TNC Male Right Angle
Cable Using RG58 Coax with HeatShrink



NOTES:

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. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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PE PASTERNAK an INFINITO brand			INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: REVERSE POLARITY TNC PLUG RIGHT ANGLE TO TNC MALE RIGHT ANGLE CABLE USING RG58 COAX WITH HEATSHRINK	
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3W12389/HS REV A

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES: .X = ±.2 [5] .XX = ±.02 [.5] .XXX = ±.005 [.13]	FRACTIONS ± 1/32 ANGLES ± 1°
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.	