

## SMA Male to Reverse Polarity TNC Plug Cable Using LMR-240-UF Coax

### TECHNICAL DATA SHEET

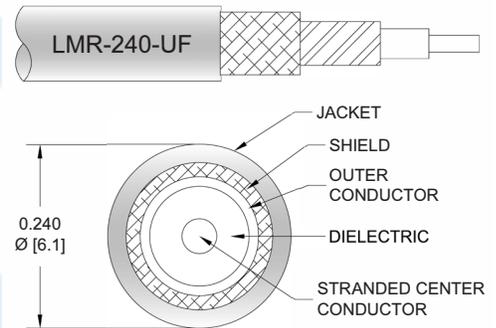
PE3C4102

#### Configuration

- Connector 1: SMA Male
- Connector 2: TNC Plug Reverse Polarity
- Cable Type: LMR-240-UF
- Coax Flex Type: Flexible

#### Features

- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- TPE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C4102 SMA male to reverse polarity TNC plug cable using LMR-240-UF 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 reverse polarity TNC cable assembly has a male to plug gender configuration with 50 ohm flexible LMR-240-UF coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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 to Reverse Polarity TNC Plug Cable Using LMR-240-UF Coax PE3C4102](#)

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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		84		%
RF Shielding	90			dB
Group Delay		1.21 [3.97]		ns/ft [ns/m]
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		4.28 [14.04]		$\Omega$ /1000ft [ $\Omega$ /Km]
DC Resistance Outer Conductor		3.89 [12.76]		$\Omega$ /1000ft [ $\Omega$ /Km]
Jacket Spark			5,000	Vrms

#### Mechanical Specifications

##### Cable Assembly

Weight 0.085 lbs [38.56 g]

##### Cable

Cable Type LMR-240-UF  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper  
 Dielectric Type PE (F)  
 Number of Shields 2  
 Shield Layer 1 Aluminum Tape  
 Shield Layer 2 Tinned Copper Braid  
 Jacket Material TPE, 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 0.13 lbs-ft [0.18 N-m]  
 Flat Plate Crush 13 lbs/in [0.23 Kg/mm]  
 Tensile Strength 80 lbs [36.29 Kg]

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#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	TNC Plug Reverse Polarity Threaded
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Phosphor Bronze, Gold
Contact Plating Specification	ASTM B488	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Passivated Stainless Steel	Brass, Nickel
Body Plating Specification	SAE-AMS-2700	
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification	SAE-AMS-2700	

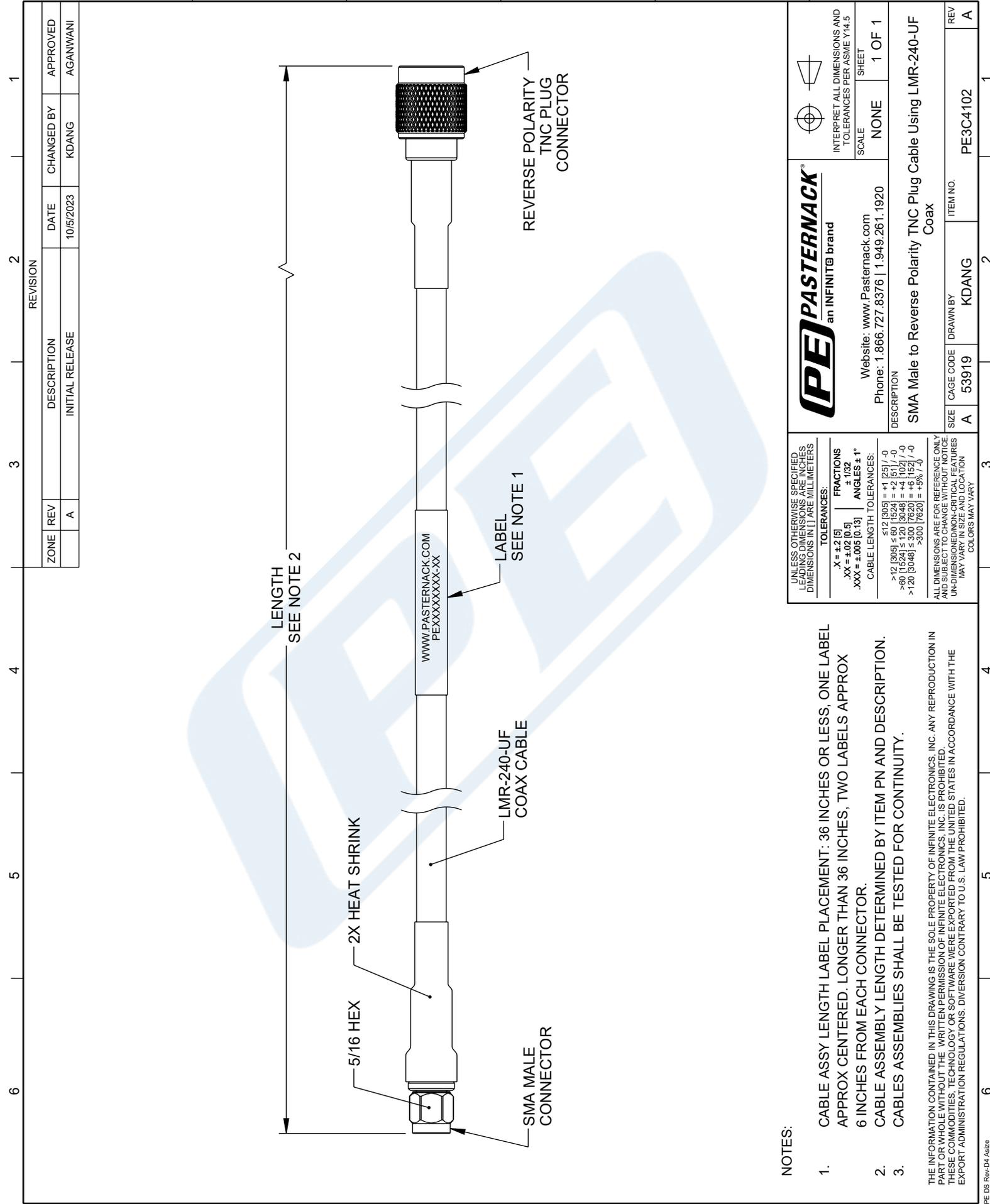
**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

# PE3C4102 CAD Drawing

SMA Male to Reverse Polarity TNC Plug Cable Using LMR-240-UF Coax



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an INFINIT® brand

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 Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE  
 SHEET: 1 OF 1

DESCRIPTION: SMA Male to Reverse Polarity TNC Plug Cable Using LMR-240-UF Coax

SIZE	CABLE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3C4102	A