N Female Bulkhead to SMA Male Right Angle Low Loss Cable 48 Inch Length Using TCOM-240 Coax with Times Microwave Components

RF Cable Assemblies Technical Data Sheet PE3C9833-48

Configuration

- Connector 1: N Female Bulkhead
- Connector 2: SMA Male Right Angle
- Cable Type: TCOM-240
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- Double Shielded
- PE Jacket
- 500 Mating Cycles

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9833-48 type N female bulkhead to SMA male right angle 48 inch cable using TCOM-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 type N to SMA cable assembly has a female to male gender configuration with 50 ohm flexible TCOM-240 coax. The PE3C9833-48 type N female to SMA male cable assembly operates to 6 GHz. The right angle SMA interface on the TCOM-240 cable allows for easier connections in tight spaces. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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: N Female Bulkhead to SMA Male Right Angle Low Loss Cable 48 Inch Length Using TCOM-240 Coax with Times Microwave Components PE3C9833-48

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.68	0.74	0.83	1.03	1.32	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.28 dB for the N female connector and 0.25 dB for the SMA male right angle connector

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.233 lbs [105.69 g]

Cable

Cable Type	TCOM-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.24 in [6.1 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Female Bulkhead Threaded	SMA Male Right Angle Threaded
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold	Brass/Phosphor Bronze, Gold
Contact Plating Specification	50 µinches	50 µinch
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Brass, Tri-Metal	
Outer Conductor Plating Specification	80 µinches	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification		80 µinch
Coupling Nut Material and Plating		Brass, Tri-Metal
Coupling Nut Plating Specification		80 µinch

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3C9833 - xx uu**

- uu: Unit of Measure: cm = Centimeters; <blank> = Inches
- xx: Length
- PE3C9833: Base Number

Example: PE3C9833-12 = 12 inches long cable
PE3C9833-100cm = 100 cm long cable

N Female Bulkhead to SMA Male Right Angle Low Loss Cable 48 Inch Length Using TCOM-240 Coax with Times Microwave Components 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/n-female-bulkhead-to-sma-male-low-loss-cable-48-inch-length-using-tcom-240-pe3c9833-48-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.

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PE3C9833-48 CAD Drawing

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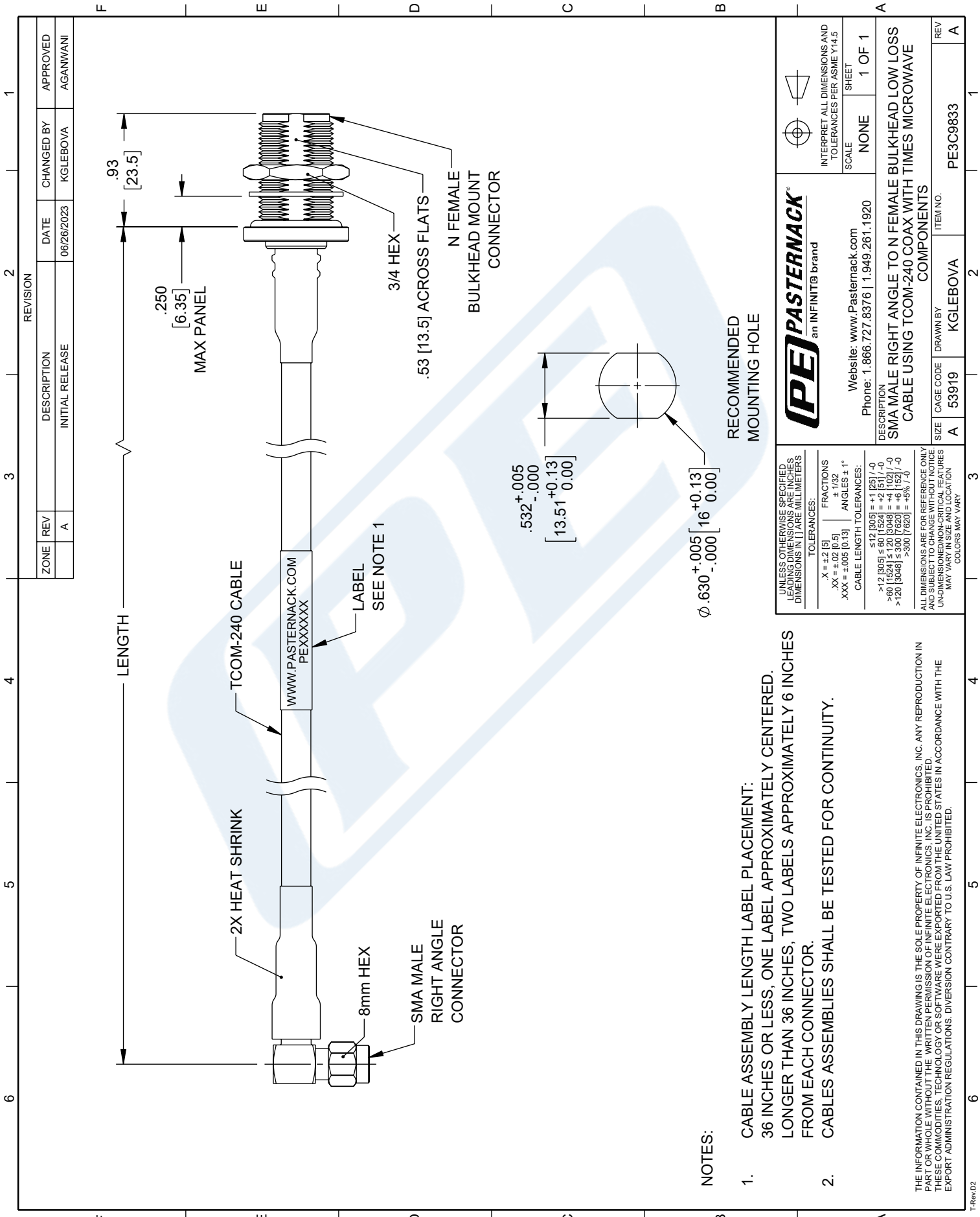

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