



SMA Male to Trimmed Lead Cable Using RG401 Coax

RF Cable Assemblies Technical Data Sheet

PE3C5962

Configuration

- Connector 1: SMA Male
- Connector 2: Trimmed Lead
- Cable Type: RG401

Features

- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C5962 50 ohm SMA male to trimmed lead cable using RG401 coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required.

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.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation | | 69.5 | | % |
| Capacitance | | 29.6 [97.11] | | pF/ft [pF/m] |

Mechanical Specifications

Cable Assembly

Weight 0.117 lbs [53.07 g]

Cable

Cable Type RG401
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Outer Conductor Material and Plating Copper

Repeated Minimum Bend Radius 0.5 in [12.7 mm]

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 Trimmed Lead Cable Using RG401 Coax PE3C5962](#)



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Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|--------------------|--------------|
| Type | SMA Male | Trimmed Lead |
| Specification | MIL-STD-348 | |
| Impedance | 50 Ohms | 0 Ohms |
| Contact Material and Plating | Gold | |
| Contact Plating Specification | MIL-G-45204 | |
| Dielectric Type | PTFE | |
| Body Material and Plating | Brass, Gold | |
| Body Plating Specification | MIL-G-45204 | |
| Coupling Nut Material and Plating | Brass, Nickel | |
| Coupling Nut Plating Specification | QQ-N-290 | |
| Hex Size | 5/16 inch | |
| Torque | 3 in-lbs [0.34 Nm] | |

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C5962

- **xx**

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C5962-12 = 12 inches long cable
PE3C5962-100cm = 100 cm long cable

SMA Male to Trimmed Lead Cable Using RG401 Coax 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.

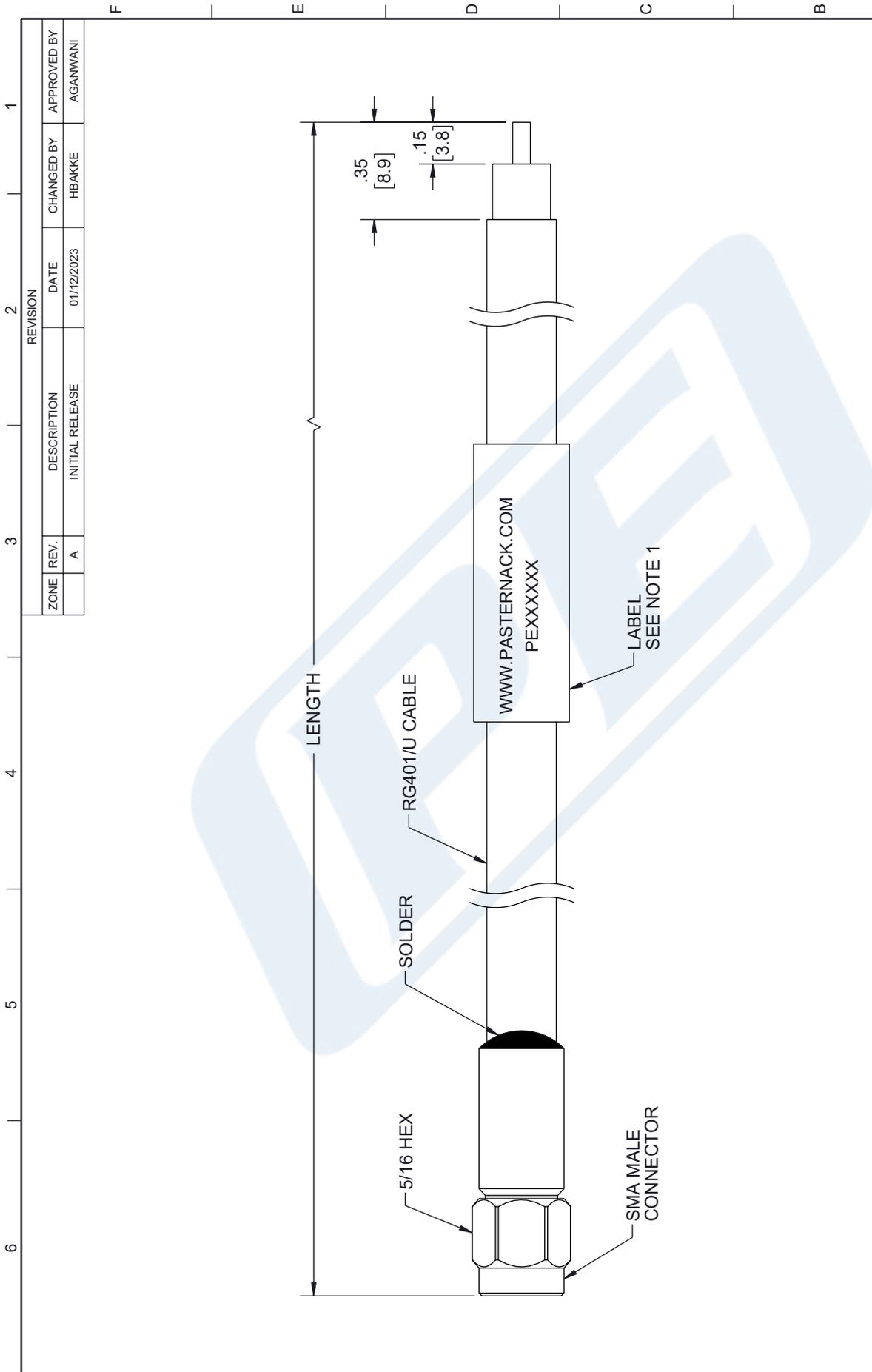
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to Trimmed Lead Cable Using RG401 Coax PE3C5962](https://www.pasternack.com/sma-male-to-trimmed-lead-cable-using-rg401-pe3c5962-p.aspx)

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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.

PE3C5962 CAD Drawing

SMA Male to Trimmed Lead Cable Using RG401 Coax



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|---|---|--|
| PASTERNAK an INFINITE brand | Website: www.Pastermack.com 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 TRIMMED LEAD CABLE USING RG401 COAX | | |
| SIZE: A CAGE CODE: 53919 DRAWN BY: HBAKKE ITEM NO.: PE3C5962 | | REV: A |

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

TOLERANCES:
 X = ±.2 [5] FRACTIONS ± 1/32
 XX = ±.02 [.5] ANGLES ± 1°
 .XXX = ±.005 [.13] CABLE LENGTH TOLERANCES:
 >12 [305] = ±1 [25] / -0
 >60 [1524] ≤ 60 [1524] = -2 [51] / -0
 >120 [3048] ≤ 120 [3048] = +4 [102] / -0
 >300 [7620] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTES:

- 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.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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