

## SMA Male to SMA Male Right Angle Cable Using Tinned RG405 Coax, LF Solder



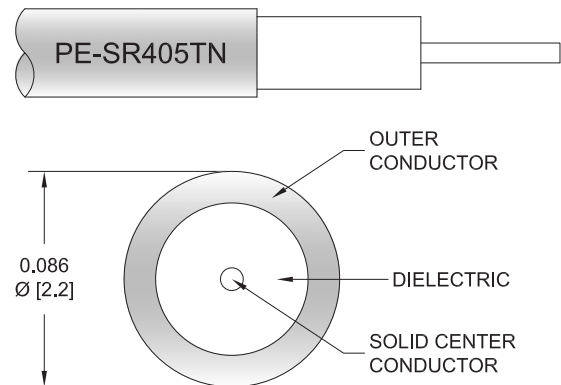
### PE3W01022LF

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: RG405 Tinned
- Coax Flex Type: Semi-Rigid

#### Features

- Max Frequency 10 GHz



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W01022LF SMA male to SMA male right angle cable using tinned RG405 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. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid RG405 tinned coax. The PE3W01022LF SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the RG405 tinned cable allows 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.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 10      | GHz   |
| VSWR            |         |         | 1.4:1   |       |

#### Specifications by Frequency

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| Part Number    | Length                   | Description           | F1   | F2   | F3    | F4    | Units | Weight (lbs) |
|----------------|--------------------------|-----------------------|------|------|-------|-------|-------|--------------|
|                |                          | Frequency             | 1000 | 2500 | 5000  | 10000 | MHz   |              |
| PE3W01022LF    | Custom Lengths Available | Insertion Loss (Typ.) | 0.22 | 0.32 | 0.477 | 0.8   | dB/ft |              |
|                |                          |                       | 0.73 | 1.04 | 1.57  | 2.63  | dB/m  |              |
| PE3W01022LF-6  | 6 inch                   | Insertion Loss (Typ.) | 0.41 | 0.46 | 0.54  | 0.7   | dB    | 0.034        |
| PE3W01022LF-12 | 12 inch                  | Insertion Loss (Typ.) | 0.52 | 0.62 | 0.78  | 1.1   | dB    | 0.04         |
| PE3W01022LF-18 | 18 inch                  | Insertion Loss (Typ.) | 0.63 | 0.78 | 1.02  | 1.5   | dB    | 0.047        |
| PE3W01022LF-24 | 24 inch                  | Insertion Loss (Typ.) | 0.74 | 0.94 | 1.26  | 1.9   | dB    | 0.054        |
| PE3W01022LF-36 | 36 inch                  | Insertion Loss (Typ.) | 0.96 | 1.25 | 1.74  | 2.7   | dB    | 0.067        |

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

|                             |                |
|-----------------------------|----------------|
| Loss due to Connector 1:    | 0.1 dB         |
| Loss due to Connector 2:    | 0.2 dB         |
| Base Weight:                | 0.04 pounds    |
| Additional Weight per Inch: | 0.00109 pounds |

## Mechanical Specifications

### Cable Assembly

|                |                    |
|----------------|--------------------|
| Width/Diameter | 0.5 in [12.7 mm]   |
| Weight         | 0.04 lbs [18.14 g] |

### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG405 Tinned              |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Copper             |
| One Time Minimum Bend Radius         | 0.05 in [1.27 mm]         |

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#### Connectors

| Description                        | Connector 1           | Connector 2           |
|------------------------------------|-----------------------|-----------------------|
| Type                               | SMA Male              | SMA Male Right Angle  |
| Specification                      | MIL-STD-348A          | MIL-STD-348A          |
| Impedance                          | 50 Ohms               | 50 Ohms               |
| Configuration                      | Straight              | Right Angle           |
| Mating Cycles                      | 500                   |                       |
| Contact Material and Plating       | Brass, Gold           | Brass, Gold           |
| Contact Plating Specification      | 50 µin minimum        | 50 µin minimum        |
| Dielectric Type                    | PTFE                  | PTFE                  |
| Body Material and Plating          | Stainless Steel, Gold | Stainless Steel, Gold |
| Body Plating Specification         | 10 µin minimum        | 30 µin minimum        |
| Coupling Nut Material and Plating  | Brass, Nickel         | Brass, Nickel         |
| Coupling Nut Plating Specification | 100 µin minimum       | 100 µin minimum       |
| Hex Size                           | 5/16 in.              | 5/16 inch             |
| Torque                             | 5 in-lbs 0.57 Nm      | 3 in-lbs 0.34 Nm      |
| Seal Gasket Material               | Silicone              |                       |

#### Environmental Specifications

Operating Range Temperature -55 to +125 deg C

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

#### Plotted and Other Data

Notes:

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### PE3W01022LF

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W01022LF**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length  
Base Number

Example: PE3W01022LF-12 = 12 inches long cable  
PE3W01022LF-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using Tinned RG405 Coax, LF Solder 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 SMA Male Right Angle Cable Using Tinned RG405 Coax, LF Solder PE3W01022LF](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-tinned-rg405-lf-solder-pe3w01022lf-p.aspx>

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PE3W01022LF CAD Drawing
SMA Male to SMA Male Right Angle Cable Using Tinned RG405 Coax, LF Solder

