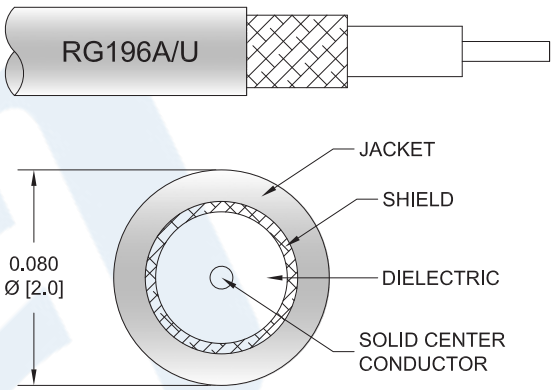
PASTERNACK
THE ENGINEER'S RF SOURCE

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax

RF Cable Assemblies Technical Data Sheet PE3W00597-36

Configuration

- Connector 1: SMC Plug
- Connector 2: 10-32 Male Right Angle
- Cable Type: RG196



Features

- Max Frequency 400 MHz
- PTFE Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00597-36 SMC plug to 10-32 male right angle 36 inch cable using RG196 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 SMC to 10-32 cable assembly has a plug to male gender configuration with 50 ohm flexible RG196 coax. The PE3W00597-36 SMC plug to 10-32 male cable assembly operates to 400 MHz. The right angle 10-32 interface on the RG196 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		400	MHz
VSWR			1.5:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax PE3W00597-36

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PASTERNACK
THE ENGINEER'S RF SOURCE

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax

RF Cable Assemblies Technical Data Sheet PE3W00597-36

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400				MHz
Insertion Loss (Typ.)	0.56	1.2				dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax cable used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	36 in [914.4 mm]
Diameter	0.25 in [6.35 mm]

Cable

Cable Type	RG196
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper
Jacket Material	PTFE, White
Jacket Diameter	0.08 in [2.03 mm]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax PE3W00597-36

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax

Connectors

Description	Connector 1	Connector 2
Type	SMC Plug	10-32 Male Right Angle
Specification	MIL-STD-348A	MIL-C-39012
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Gold
Contact Plating Specification	30µ in. minimum	MIL-G-45204
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	
Hex Size	1/4 in	
Torque	3 in-lbs [0.34 Nm]	

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax PE3W00597-36

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PASTERNACK
THE ENGINEER'S RF SOURCE

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax

RF Cable Assemblies Technical Data Sheet PE3W00597-36

How to Order

Part Number Configuration: **PE3W00597 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W00597 — Base Number

Example: PE3W00597-12 = 12 inches long cable
PE3W00597-100cm = 100 cm long cable

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 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.

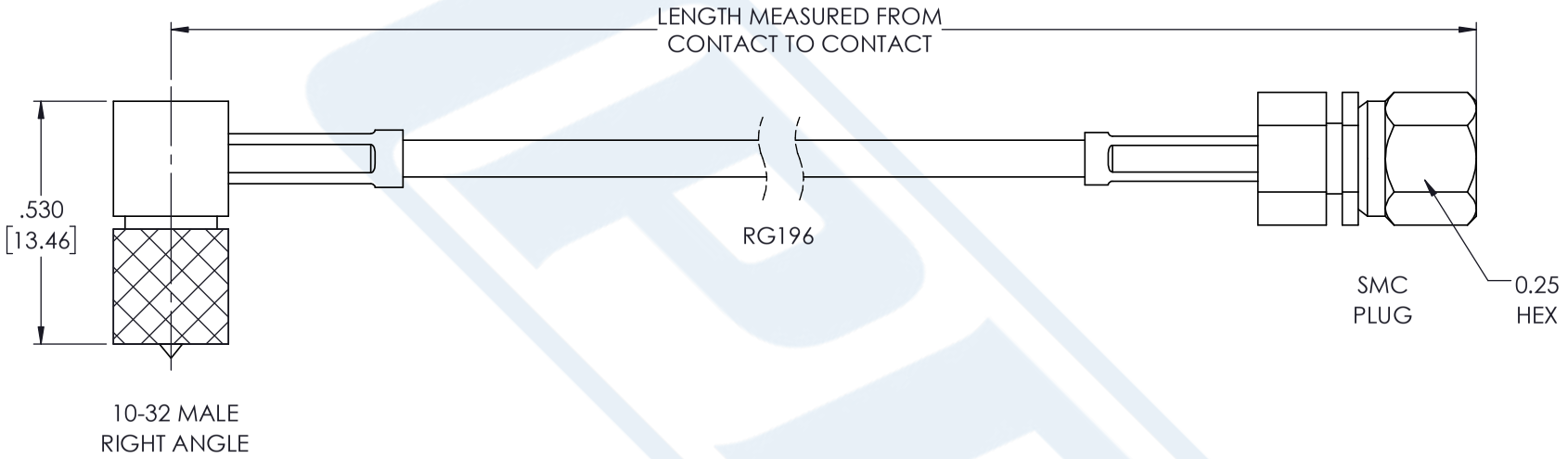
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax PE3W00597-36

URL: https://www.pasternack.com/smc-plug-10-32-male-rg196au-cable-assembly-pe3w00597-36-p.aspx

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PE3W00597-36 CAD Drawing

SMC Plug to 10-32 Male Right Angle Cable 36 Inch Length Using RG196 Coax



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

PASTERNACK® THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE
PE3W00597

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919	CAD FILE 02/07/18	SCALE N/A	SIZE A	GF0006