

SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Using Tinned RG405 Coax



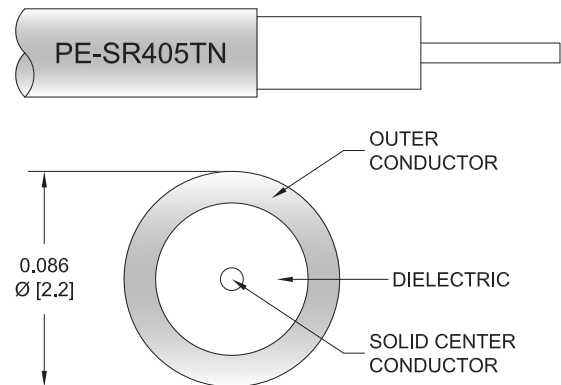
PE3C3132

Configuration

- Connector 1: SMA Female 4 Hole Flange
- Connector 2: SMA Female 4 Hole Flange
- Cable Type: RG405 Tinned
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 18 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3132 SMA female 4 hole flange to SMA female 4 hole flange 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 female to female gender configuration with 50 ohm semi-rigid RG405 tinned coax. The PE3C3132 SMA female to SMA female cable assembly operates to 18 GHz. Our RF cable assembly with SMA 4 hole flange 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.

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		18	GHz
VSWR			1.4:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		1000	2000	4500	9000	
PE3C3132	Custom Lengths Available	Insertion Loss (Typ.)	0.22	0.284	0.446	0.736	1.12	dB/ft	
			0.73	0.94	1.47	2.42	3.68	dB/m	
PE3C3132-6	6 inch	Insertion Loss (Typ.)	0.31	0.35	0.43	0.57	0.76	dB	0.021
PE3C3132-12	12 inch	Insertion Loss (Typ.)	0.42	0.49	0.65	0.94	1.32	dB	0.027
PE3C3132-18	18 inch	Insertion Loss (Typ.)	0.53	0.63	0.87	1.31	1.88	dB	0.034
PE3C3132-24	24 inch	Insertion Loss (Typ.)	0.64	0.77	1.1	1.68	2.44	dB	0.041
PE3C3132-36	36 inch	Insertion Loss (Typ.)	0.86	1.06	1.54	2.41	3.56	dB	0.054

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:	0.1 dB
Base Weight:	0.027 pounds
Additional Weight per Inch:	0.00109 pounds

Mechanical Specifications

Cable Assembly

Weight 0.027 lbs [12.25 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]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female 4 Hole Flange	SMA Female 4 Hole Flange
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	MIL-G-45204	MIL-G-45204

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Environmental Specifications

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

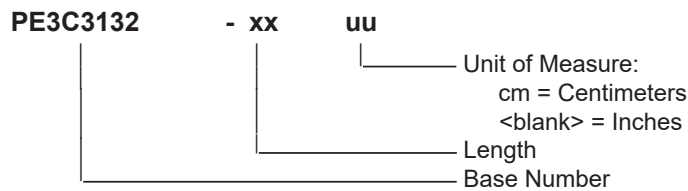
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3C3132-12 = 12 inches long cable
PE3C3132-100cm = 100 cm long cable

SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Using Tinned RG405 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.

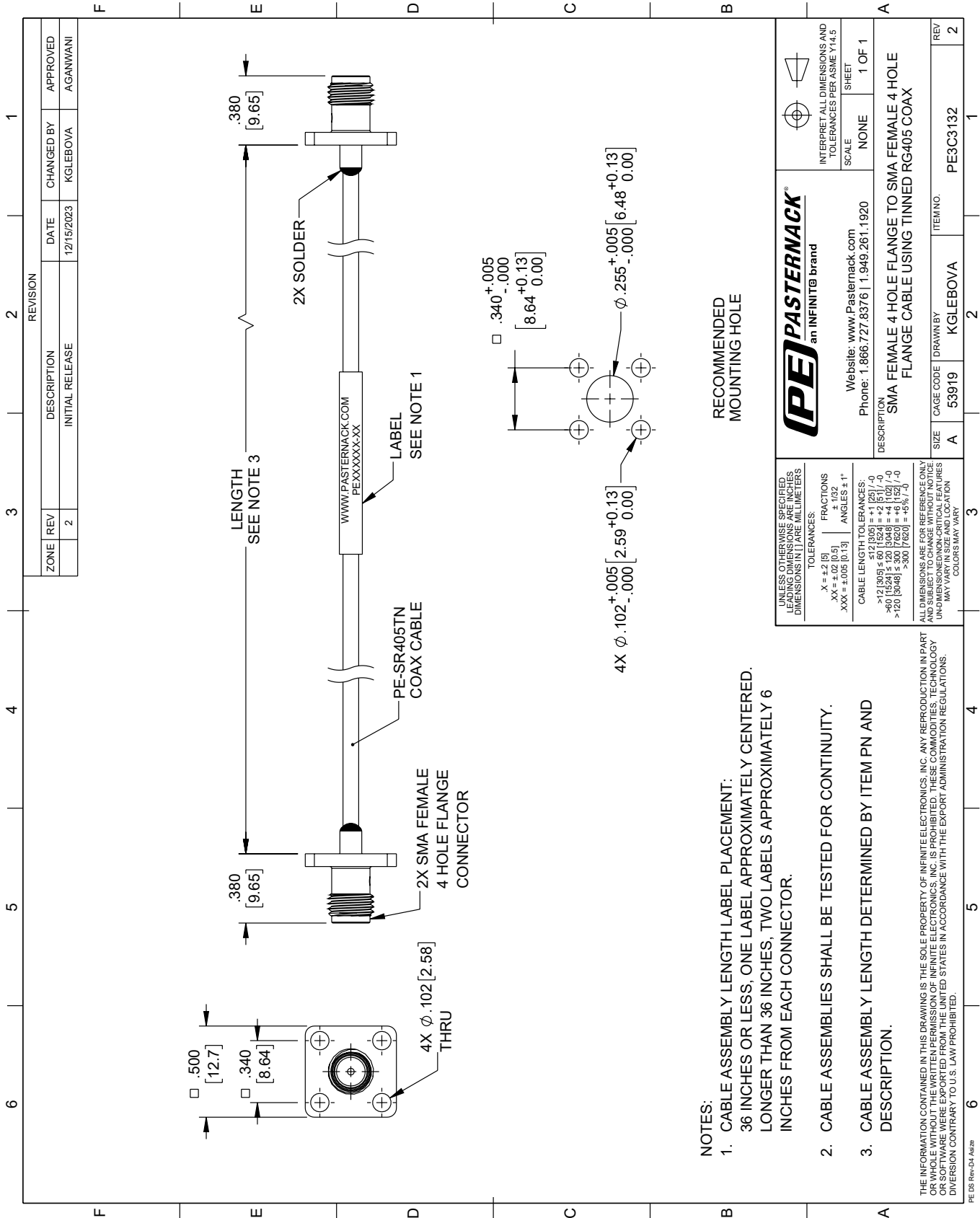
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female 4 Hole Flange to SMA Female 4 Hole Flange Cable Using Tinned RG405 Coax PE3C3132](#)

URL: <https://www.pasternack.com/sma-female-4-hole-flange-to-sma-female-4-hole-flange-cable-using-tinned-rg405-pe3c3132-p.aspx>

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PE3C3132 CAD Drawing

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NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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PE DS Rev-D4 Add2

REVISION		DESCRIPTION	DATE	CHANGED BY	APPROVED
ZONE	REV	INITIAL RELEASE	12/15/2023	KGLEBOVA	AGANWANI
	2				

 Website: www.Pasternack.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 FEMALE 4 HOLE FLANGE TO SMA FEMALE 4 HOLE FLANGE CABLE USING TINNED RG405 COAX		
SIZE	CAGE CODE	ITEM NO.
A	53919	PE3C3132
REV	REV	
2	2	