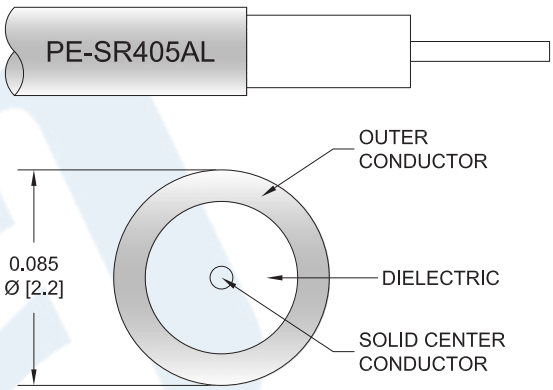
PASTERNACK
an INFINITE brand

SMA Female 4 Hole Flange to SMP Female Cable Using PE-SR405AL Coax

RF Cable Assemblies Technical Data Sheet PE3W09764

Configuration

- Connector 1: SMA Female 4 Hole Flange
- Connector 2: SMP Female
- Cable Type: PE-SR405AL



Features

- Max Frequency 18 GHz

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09764 SMA female 4 hole flange to SMP female cable using PE-SR405AL 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 SMP cable assembly has a female to female gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3W09764 SMA female to SMP 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.

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 SMP Female Cable Using PE-SR405AL Coax PE3W09764

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

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.23	0.294	0.455	0.745	1.21	dB/ft
	0.75	0.96	1.49	2.44	3.97	dB/m

Electrical Specification Notes:
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Weight	0.019 lbs [8.62 g]

Cable

Cable Type	PE-SR405AL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Aluminum
One Time Minimum Bend Radius	0.05 in [1.27 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Female 4 Hole Flange	SMP Female
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W09764 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3W09764 — Base Number

Example: PE3W09764-12 = 12 inches long cable
PE3W09764-100cm = 100 cm long cable

SMA Female 4 Hole Flange to SMP Female Cable Using PE-SR405AL 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 SMP Female Cable Using PE-SR405AL Coax PE3W09764

URL: https://www.pasternack.com/sma-female-4-hole-flange-to-smp-female-cable-using-pe-sr405al-pe3w09764-p.aspx

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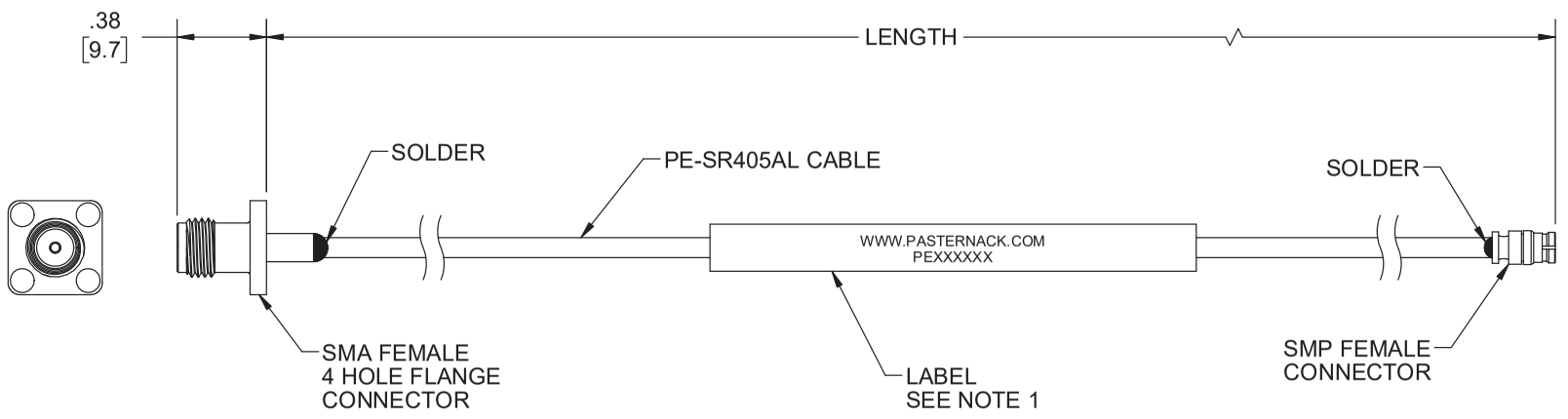
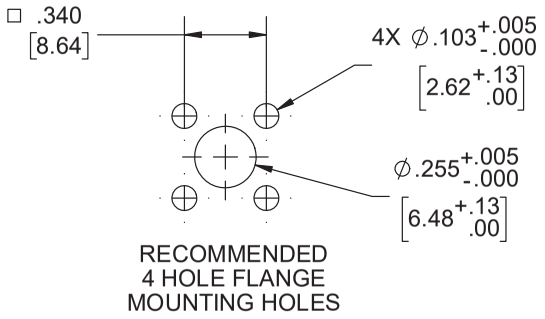
REVISION					
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	12/19/2022	HBAKKE	AGANWANI





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.

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

TOLERANCES:

.X = ± .2 [5]
.XX = ± .02 [.5]
.XXX = ± .005 [.13]

FRACTIONS ± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:

>12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

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

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
SMA Female 4 Hole Flange to SMP Female Cable Using PE-SR405AL Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PE3W09764	A

T-Rev.D

PE3W09764 CAD Drawing
SMA Female 4 Hole Flange to SMP Female Cable Using PE-SR405AL Coax