



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

RF Cable Assemblies Technical Data Sheet

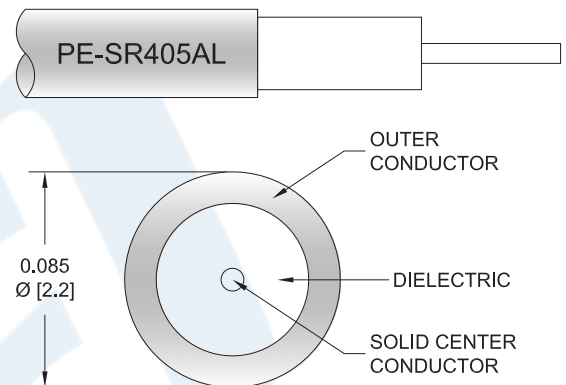
PE3C6458

Configuration

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

Features

- Max Frequency 18 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6458 Mini SMP female to SMA female 4 hole flange 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 Mini SMP to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3C6458 Mini SMP 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female to SMA Female 4 Hole Flange Cable Using PE-SR405AL Coax PE3C6458](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.23	0.294	0.455	0.745	1.31	dB/ft
	0.75	0.96	1.49	2.44	4.3	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 0.018 lbs [8.16 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	Mini SMP Female	SMA Female 4 Hole Flange
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	Beryllium Copper, Gold	Stainless Steel, Gold
Body Plating Specification	MIL-G-45204	

Environmental Specifications

Temperature

Operating Range -55 to +165 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:

PE3C6458

- **xx**

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C6458-12 = 12 inches long cable
PE3C6458-100cm = 100 cm long cable

Mini SMP Female to SMA Female 4 Hole Flange 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.

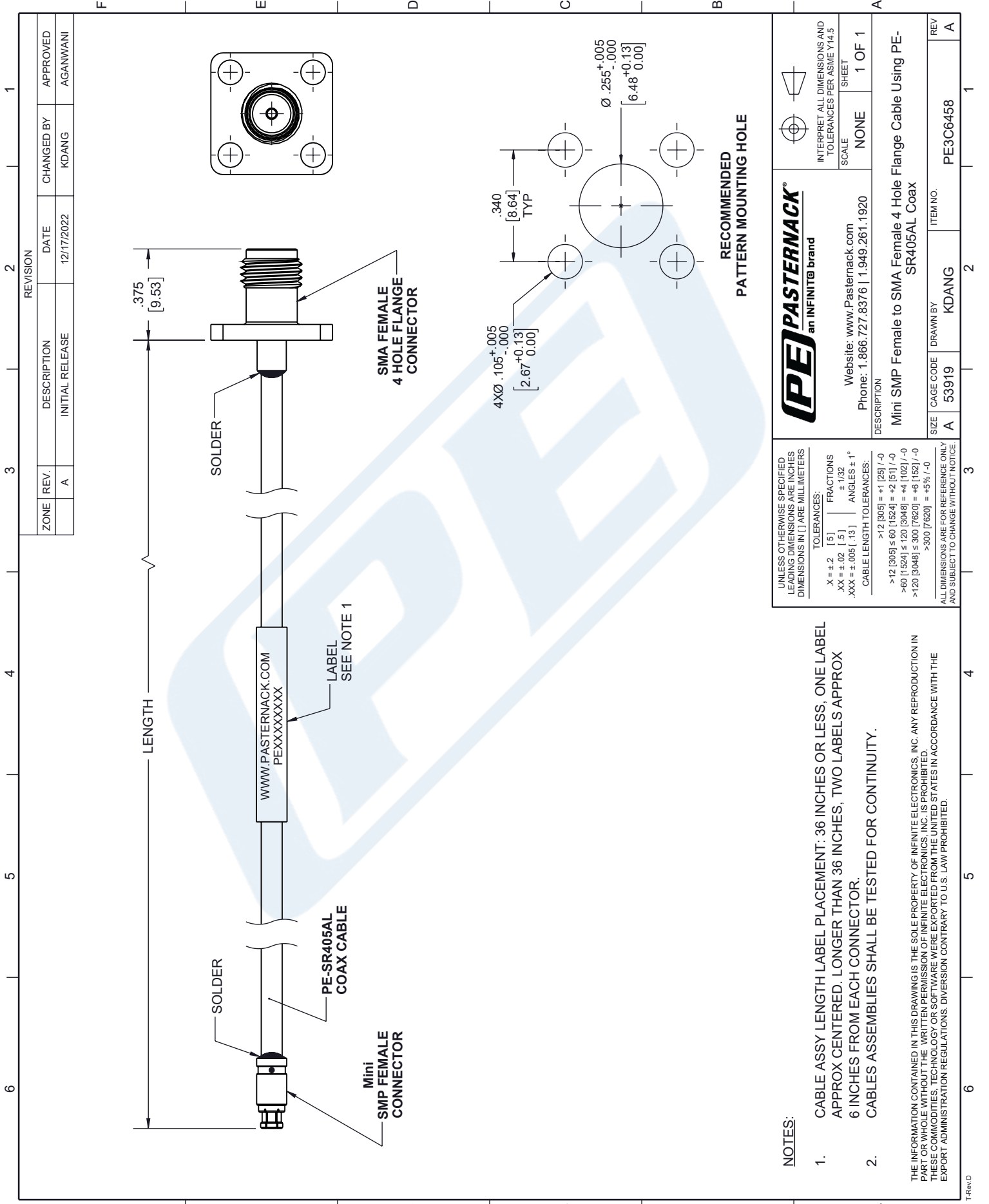
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URL: <https://www.pasternack.com/mini-smp-female-to-sma-female-4-hole-flange-cable-using-pe-sr405al-pe3c6458-p.aspx>

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PE3C6458 CAD Drawing

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



NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X = ±.2 [5]	± 1/32
XX = ±.02 [5]	ANGLES ± 1°
.XXX = ±.005 [.13]	
CABLE LENGTH TOLERANCES:	
>12 [305]	± 1 [25] / -0
>60 [1524]	± 2 [51] / -0
>120 [3048]	± 4 [102] / -0
>300 [7620]	± 6 [152] / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	

 an INFINITE brand	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1
	Website: www.Pastermack.com Phone: 1.866.727.8376 1.949.261.1920
DESCRIPTION Mini SMP Female to SMA Female 4 Hole Flange Cable Using PE-SR405AL Coax	
SIZE A CAGE CODE 53919 DRAWN BY KDANG	ITEM NO. PE3C6458