



SMA Male to SMA Male Cable Using PE-SR402AL Coax

RF Cable Assemblies Technical Data Sheet

PE3C1398

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: PE-SR402AL

Features

- Max Frequency 18 GHz

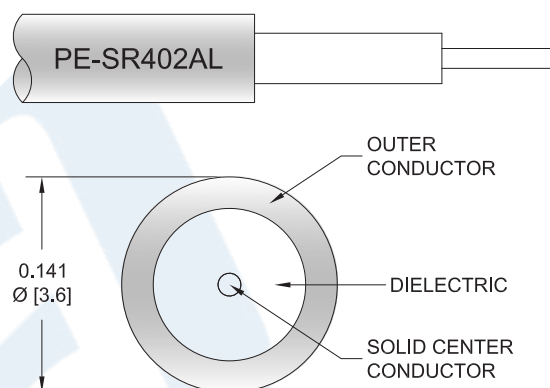
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1398 SMA male to SMA male cable using PE-SR402AL 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 PE-SR402AL coax. The PE3C1398 SMA male to SMA male cable assembly operates to 18 GHz.

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 Male to SMA Male Cable Using PE-SR402AL Coax PE3C1398](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.12	0.16	0.25	0.42	0.66	dB/ft
	0.39	0.52	0.82	1.38	2.17	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

Diameter	0.315 in [8 mm]
Weight	0.012 lbs [5.44 g]

Cable

Cable Type	PE-SR402AL
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 Aluminum
Jacket Diameter	0.141 in [3.58 mm]
One Time Minimum Bend Radius	0.1 in [2.54 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Body Material and Plating	Brass, Gold	Brass, Gold
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

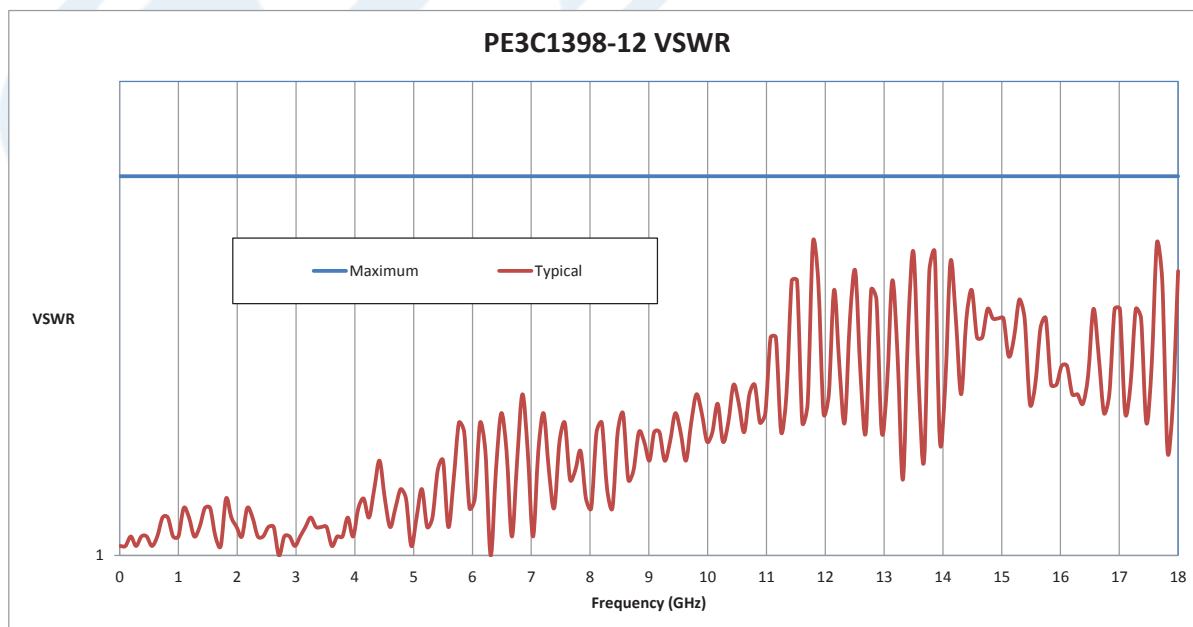
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

Typical Performance Data



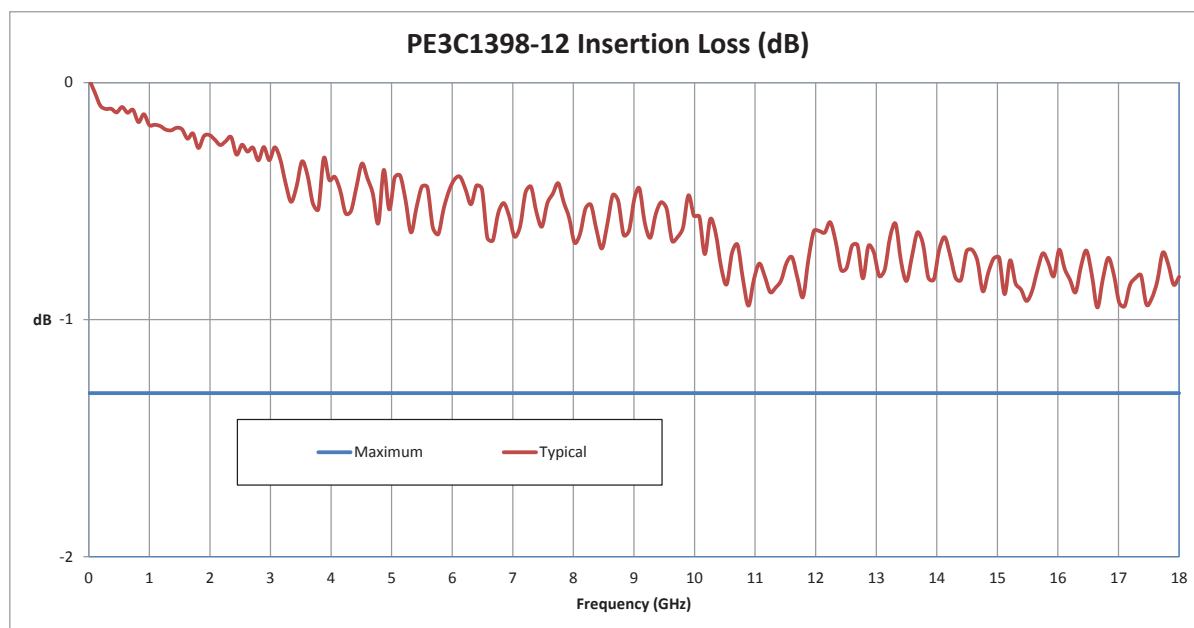
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How to Order

Part Number Configuration:

PE3C1398

- **xx**

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

Example: PE3C1398-12 = 12 inches long cable
PE3C1398-100cm = 100 cm long cable

SMA Male to SMA Male Cable Using PE-SR402AL 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.

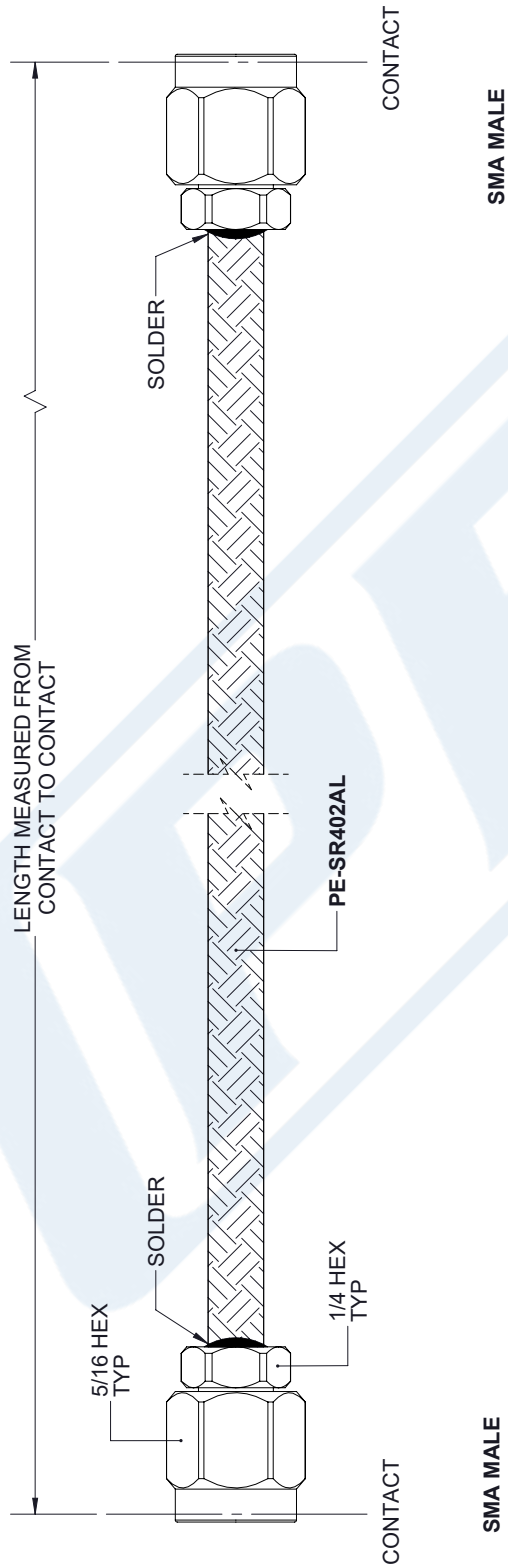
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Cable Using PE-SR402AL Coax PE3C1398](https://www.pasternack.com/sma-male-sma-male-pe-sr402al-cable-assembly-pe3c1398-p.aspx)

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PE3C1398 CAD Drawing
SMA Male to SMA Male Cable Using PE-SR402AL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/11/2020	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2	[.08]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
CABLE LENGTH (L) TOLERANCES:	ANGLES ± 1°
L ≤ 12 [305] = ± 1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5% L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

PE PASTERNAK an INFINITI brand	
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SIZE	ITEM NO.
A	53919
DRAWN BY	K.DANG
REV	PE3C1398
SCALE	N/A
SHEET	1 OF 1

THIRD-ANGLE PROJECTION	
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