



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

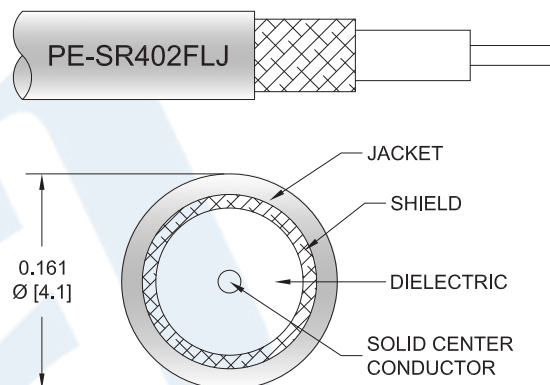
PE3W08684

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402FLJ

Features

- Max Frequency 12.4 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08684 SMA male to SMA male right angle cable using PE-SR402FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FLJ coax. The PE3W08684 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the PE-SR402FLJ 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.

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 Right Angle Cable Using PE-SR402FLJ Coax PE3W08684](#)



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3W08684

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Velocity of Propagation		70		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		8.23 [27]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Typ.)	0.082	0.125	0.198	0.32	0.541	dB/ft
	0.27	0.41	0.65	1.05	1.77	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Cable

Cable Type	PE-SR402FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	FEP, Black
Jacket Diameter	0.161 in [4.09 mm]
One Time Minimum Bend Radius	0.315 in [8 mm]
Repeated Minimum Bend Radius	1.575 in [40.01 mm]

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 Right Angle Cable Using PE-SR402FLJ Coax PE3W08684](#)



SMA Male to SMA Male Right Angle Cable
Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3W08684

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type		PTFE
Body Material and Plating	Brass, Gold over Nickel	Stainless Steel, Gold
Body Plating Specification		30 µin minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs [0.9 Nm]	3 in-lbs [0.34 Nm]

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: [SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax PE3W08684](#)



SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax

RF Cable Assemblies Technical Data Sheet

PE3W08684

How to Order

Part Number Configuration:

PE3W08684

- **xx**

uu

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

Example: PE3W08684-12 = 12 inches long cable
PE3W08684-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ 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 Right Angle Cable Using PE-SR402FLJ Coax PE3W08684](#)

URL:

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W08684 CAD Drawing
SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax

