

SMA Male to SMA Male Right Angle Cable Using RG402 Coax



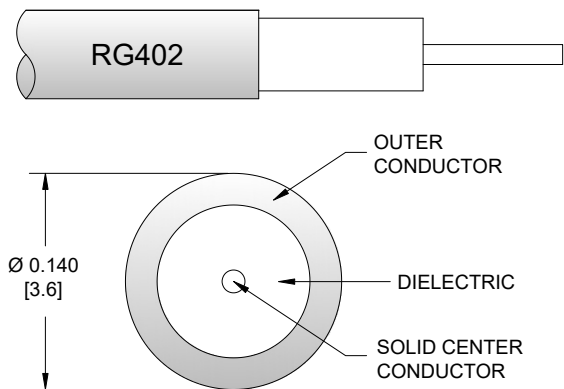
PE3W04772

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: RG402
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04772 SMA male to SMA male right angle cable using RG402 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 RG402 coax. The PE3W04772 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the RG402 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		500	1000	2500	5000	
PE3W04772	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.11	0.17	0.28	0.495	dB/ft	
			0.25	0.37	0.58	0.93	1.63	dB/m	
PE3W04772-6	6 inch	Insertion Loss (Typ.)	0.34	0.36	0.39	0.45	0.55	dB	0.038
PE3W04772-12	12 inch	Insertion Loss (Typ.)	0.38	0.42	0.48	0.59	0.8	dB	0.054
PE3W04772-24	24 inch	Insertion Loss (Typ.)	0.46	0.53	0.65	0.87	1.29	dB	0.087
PE3W04772-36	36 inch	Insertion Loss (Typ.)	0.53	0.64	0.83	1.15	1.79	dB	0.119
PE3W04772-60	60 inch	Insertion Loss (Typ.)	0.68	0.86	1.18	1.71	2.78	dB	0.183

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:	0.2 dB
Base Weight:	0.054 pounds
Additional Weight per Inch:	0.00267 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.054 lbs [24.49 g]

Cable

Cable Type	RG402
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 1 Material and Plating	Copper
Jacket Material	Tan
Repeated Minimum Bend Radius	0.25 in [6.35 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50 µin minimum
Dielectric Type		PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification		30 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size	16-May inch	16-May inch
Torque	3 in-lbs 0.34 Nm	3 in-lbs 0.34 Nm

Environmental Specifications

Operating Range Temperature -40 to +125 deg C

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

Plotted and Other Data

Notes:

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PE3W04772

Typical Performance Data

How to Order

Part Number Configuration:

PE3W04772

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W04772-12 = 12 inches long cable
PE3W04772-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using RG402 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 RG402 Coax PE3W04772](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-rg402-pe3w04772-p.aspx>

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PE3W04772 CAD Drawing

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