

RA FAKRA Code Z / Water Blue Jack to SMA Male Cable RG-174 Coax

FMCA10061

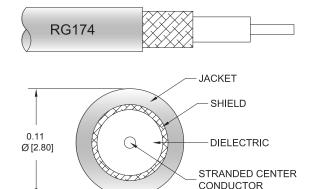
Configuration

· Connector 1: FAKRA Jack Right Angle

Connector 2: SMA MaleCable Type: RG-174Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

· General Purpose

· Laboratory Use

Description

The RA FAKRA Code / Water Blue jack to SMA male cable using RG174 coax, part number FMCA10061, from Fairview Microwave is in-stock and ships same day. This Fairview FAKRA to SMA cable assembly has a jack to male gender configuration with 50 ohm flexible RG-174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA10061 FAKRA jack to SMA male cable assembly operates to 1 GHz. The right angle FAKRA interface on the RG-174 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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. 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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency



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Part Number	Longth	Description	F1	F2	F3	F4	Units	Woight (lbs)
Part Number	Length	Frequency	100	250	500	1000	MHz	Weight (lbs)
FMCA10061	Custom Lengths	Insertion Loss (Typ.)	0.08	0.14	0.21	0.32	dB/ft	
TWICATOOOT	Available	ilisertion Loss (Typ.)	0.28	0.45	0.7	1.05	dB/m	
FMCA10061-12	12 Inch	Insertion Loss (Typ.)	0.54	0.59	0.67	0.77	dB	0.161
FMCA10061-24	24 Inch	Insertion Loss (Typ.)	0.62	0.73	0.88	1.09	dB	0.298
FMCA10061-36	36 Inch	Insertion Loss (Typ.)	0.71	0.87	1.09	1.41	dB	0.435
FMCA10061-48	48 Inch	Insertion Loss (Typ.)	0.79	1	1.3	1.73	dB	0.572
FMCA10061-72	72 Inch	Insertion Loss (Typ.)	0.96	1.28	1.72	2.37	dB	0.661

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: 0.25 dB Loss due to Connector 2: 0.2 dB Base Weight: 0.161 pounds Additional Weight per Inch: 0.07833 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm] Weight 0.161 lbs [73.03 g]

Cable

Cable Type RG-174 Impedance 50 Ohms Inner Conductor Type Stranded Inner Conductor Material and Plating Copper Clad Steel

Dielectric Type PΕ

Number of Shields Shield Layer 1

Tinned Copper Braid Jacket Material PVC, Black Jacket Diameter 0.11 in [2.79 mm]



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Connectors

Description	Connector 1	Connector 2
Туре	FAKRA Jack Right Angle	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Color	WB	
Contact Material and Plating	Phosphor Bronze, Gold	Brass, Gold
Contact Plating Specification		15 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	
Body Material and Plating	Plastic	Brass, Nickel
Body Plating Specification		200 μin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		200 μin minimum

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



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FMCA10061

Typical Performance Data

How to Order



Example: FMCA10061-12 = 12 inches long cable

FMCA10061-100cm = 100 cm long cable

RA FAKRA Code Z / Water Blue Jack to SMA Male Cable RG-174 Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: RA FAKRA Code Z / Water Blue Jack to SMA Male Cable RG-174 Coax FMCA10061

URL: https://www.fairviewmicrowave.com/ra-fakra-jack-to-sma-male-cable-rg-174-coax-fmca10061-p.aspx

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