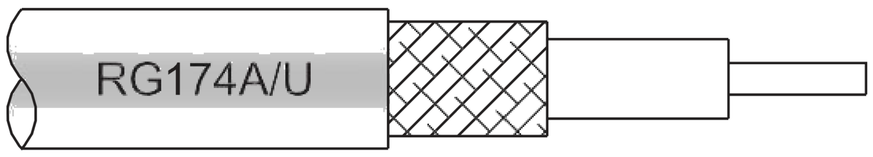
SMB Plug Right Angle to SSMB Plug Cable 48 Inch Length Using ET-ET-RG174 Coax

RF Cable Assemblies Technical Data Sheet ET30968

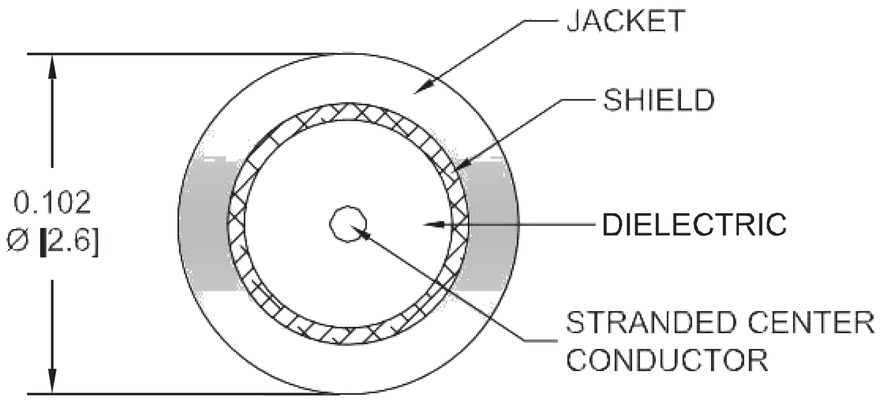
Configuration

- Connector 1: SMB Plug Right Angle
- Connector 2: SSMB Plug
- Cable Type: ET-RG174



Features

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



Applications

- General Purpose
- Laboratory Use

Description

Ebeestock's ET30968 SMB plug right angle to SSMB plug 48 inch cable using ET-RG174 coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock SMB to SSMB cable assembly has a plug to plug gender configuration with 50 ohm flexible ET-RG174 coax. The ET30968 SMB plug to SSMB plug cable assembly operates to 1 GHz. The right angle SMB interface on the ET-RG174 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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMB Plug Right Angle to SSMB Plug Cable 48 Inch Length Using ET-RG174 Coax ET30968

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park,
Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	500	1,000		MHz
Insertion Loss (Max.)	0.35	0.38	0.42	0.47		dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.256 in [6.5 mm]

Cable

Cable Type	ET-RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug Right Angle	SSMB Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Outer Conductor Plating Specification	100 µin minimum	30 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	30 µin minimum

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Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8”, whichever is greater.

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **ET3W04513 - xx uu**

- **uu** — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- **xx** — Length
- **ET3W04513** — Base Number

Example: ET3W04513-12 = 12 inches long cable
ET3W04513-100cm = 100 cm long cable

SMB Plug Right Angle to SSMB Plug Cable 48 Inch Length Using ET-RG174 Coax from Ebeestock 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: SMB Plug Right Angle to SSMB Plug Cable 48 Inch Length Using ET-RG174 Coax ET30968

URL: https://www.ebeestock.com/smb-plug-right-angle-to-ssmb-plug-cable-12-inch-length-using-rg174-coax-0030965

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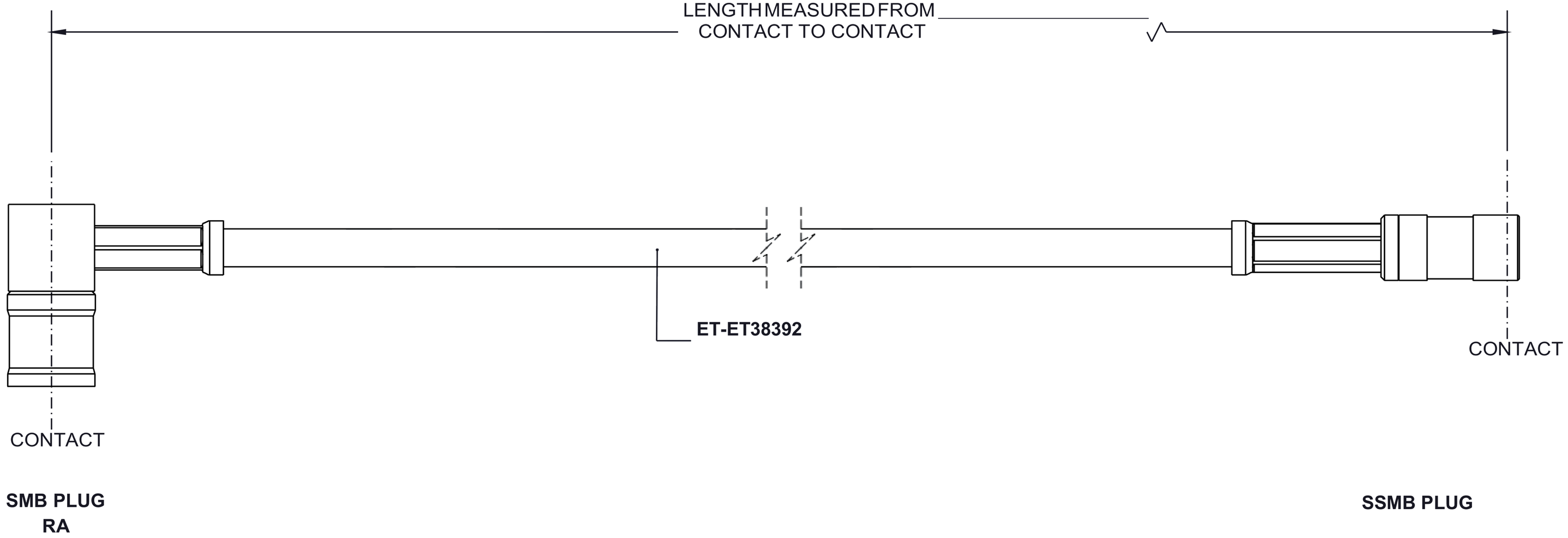
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S.ELLIS



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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X=± .2	[5.08]	FRACTIONS
.XX=± .01	[.25]	± 1/32
.XXX=± .005	[.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	ET3W04513	A

T-Rev.B