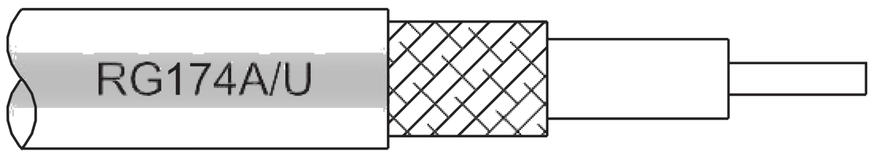
SMB Plug Right Angle to SSMB Plug Cable 150 cm Length Using ET-ET-RG174 Coax

RF Cable Assemblies Technical Data Sheet ET30972

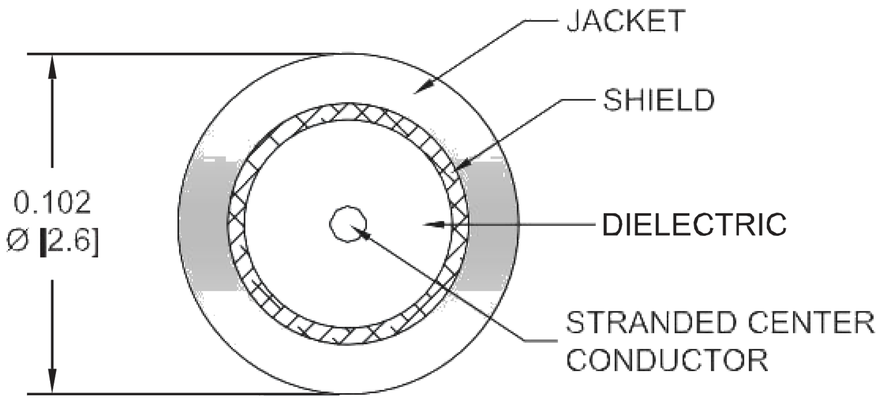
Configuration

- 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 ET30972 SMB plug right angle to SSMB plug 150 cm 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 ET30972 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 150 cm Length Using ET-RG174 Coax ET30972

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

SMB Plug Right Angle to SSMB Plug Cable 150 cm Length Using ET-ET-RG174 Coax

RF Cable Assemblies Technical Data Sheet ET30972

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	500	1,000		MHz
Insertion Loss (Max.)	0.36	0.4	0.44	0.51		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*	59.05 in [149.99 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

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 150 cm Length Using ET-RG174 Coax ET30972

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

SMB Plug Right Angle to SSMB Plug Cable 150 cm Length Using ET-ET-RG174 Coax

RF Cable Assemblies Technical Data Sheet ET30972

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 150 cm 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 150 cm Length Using ET-RG174 Coax ET3W04513- 150CM

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

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. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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

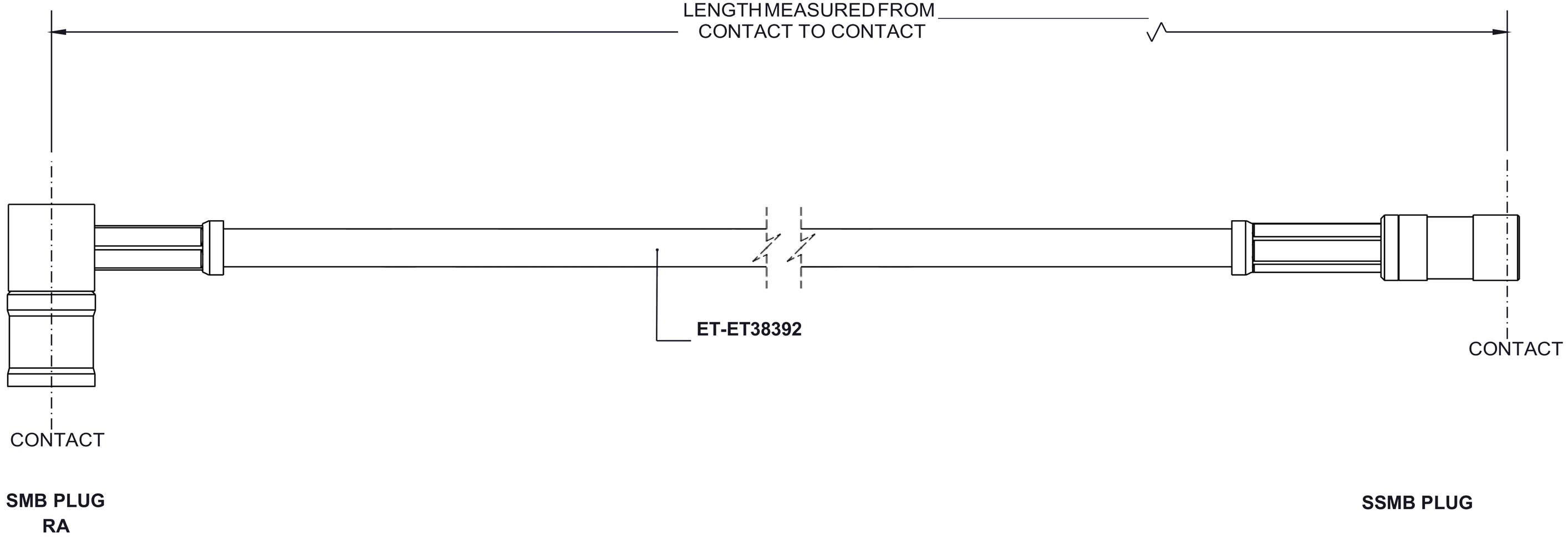
Webstie:www.ebeestock.com Email:sales@ebeestock.com

© 2022 Ebeestock Enterprises All Rights Reserved

© 2022 Ebeestock Enterprises All Rights Reserved

www.ebeestock.com

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



THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

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

PASTERNACK
an INFINITE brand
8th Floor, Building 1, Yongfu Science and Technology
Center Industrial Park
P.O.Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
e-mail: sales@Ebeestock.com

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF Ebeestock CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

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

T-Rev.B