SMP Female Right Angle to SMP Female Right Angle Cable 150 c
m Length Using ET38325 Coax

# RF Cable Assemblies Technical Data Sheet ET32355

## Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: SMP Female Right Angle
- Cable Type: ET38325

## Features

- Max Frequency 8 GHz

## Applications

- General Purpose
- Laboratory Use

### Description

Ebeestock's ET32355 SMP female right angle to SMP female right angle 150 cm cable using ET38325 coax is part of our full line of RF components available for same-day shipping. Ebeestock'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 Ebeestock SMP to SMP cable assembly has a female to female gender configuration with 50 ohm semi-rigid ET38325 coax. The ET32355 SMP female to SMP female cable assembly operates to 8 GHz. The right angle SMP interfaces on the ET38325 cable allow 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 | | 8 | GHz |
| VSWR | | | 1.5:1 | |

### Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 1 | 2 | 4 | 8 | | GHz |
| Insertion Loss (Max.) | 2.37 | 2.76 | 3.53 | 5.09 | | dB |

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.4dB of connector Loss

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Female Right Angle to SMP Female Right Angle Cable 150 cm Length Using ET38325 Coax ET32355

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

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## Mechanical Specifications

### Cable Assembly

| | |
|---|---|
| Length* | 59.05 in [149.99 cm] |
| Diameter | 0.187 in [4.75 mm] |

### Cable

| | |
|---|---|
| Cable Type | ET38325 |
| 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 Material and Plating | Copper |
| Repeated Minimum Bend Radius | 0.05 in [1.27 mm] |

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | SMP Female Right Angle | SMP Female Right Angle |
| 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 | MIL-DTL-45204 | MIL-DTL-45204 |
| Dielectric Type | PTFE | PTFE |
| Outer Conductor Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Body Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Body Plating Specification | MIL-DTL-45204 | MIL-DTL-45204 |

## Environmental Specifications

### Temperature

| | |
|---|---|
| Operating Range | -55 to +100 deg C |

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

## Plotted and Other Data

Notes:

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# RF Cable Assemblies Technical Data Sheet ET32355

## How to Order

Part Number Configuration: **ET3W04802 - xx uu**

- ET3W04802 — Base Number
- xx — Length
- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches

Example: ET3W04802-12 = 12 inches long cable
ET3W04802-100cm = 100 cm long cable

SMP Female Right Angle to SMP Female Right Angle Cable 150 cm Length Using ET38325 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: SMP Female Right Angle to SMP Female Right Angle Cable 150 cm Length Using ET38325 Coax ET32355

**URL:** https://www.ebeestock.com/smp-female-right-angle-to-smp-female-right-angle-cable-12-inch-length-using-pe-047sr-coax-0032348

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.

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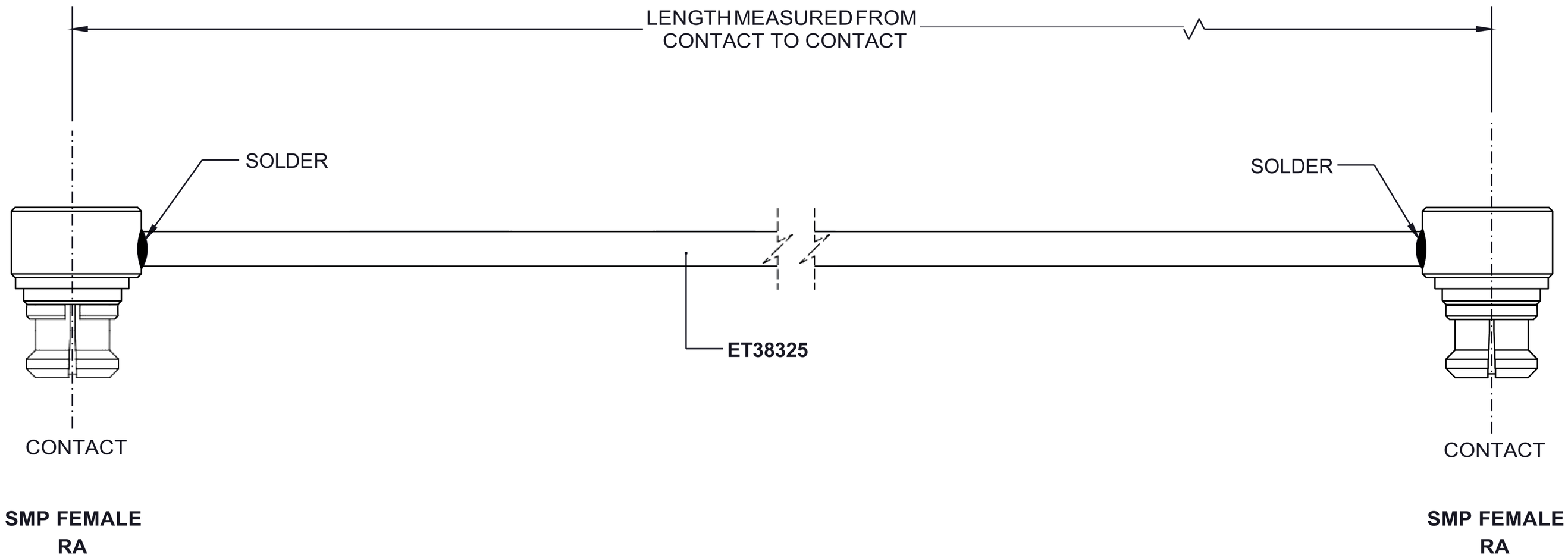
| REVISIONS | | | |
|---|---|---|---|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 05/13/19 | S.ELLIS |




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 | ET3W04802 | A |

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