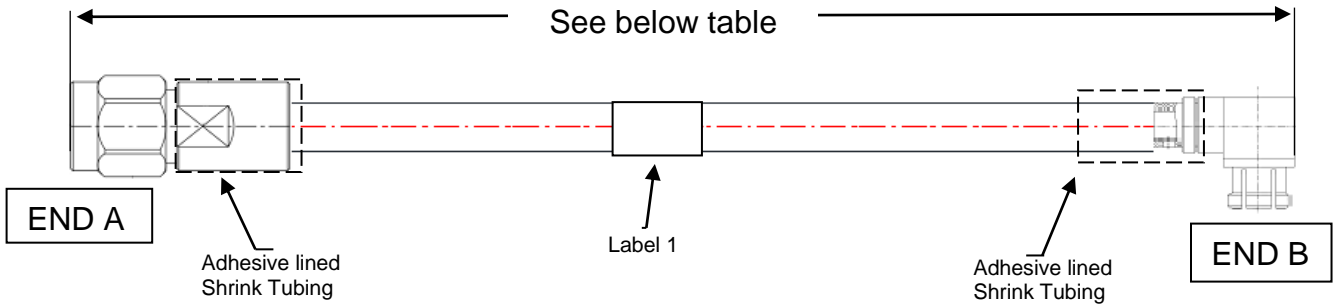


THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

| LTR | DESCRIPTION     | DATE     | BY |
|-----|-----------------|----------|----|
| A   | Initial release | 06/28/21 | VX |
|     |                 |          |    |



| AE number       | DESC                  | Length        |
|-----------------|-----------------------|---------------|
| AE-TMC-12153-01 | PT047-KMMSMPFR-12.0IN | 12IN+0.5IN/-0 |

1.0 Scope


This drawing documents the construction and performance of a Microwave cable assembly manufactured by Times Microwave Systems

2.0 Cable Information

- 2.1 Cable to be PT-047
- 2.2 Jacket color to be Blue
- 2.3 Jacket material to be FEP
- 2.4 Nominal cable impedance to be 50 ohms
- 2.5 Cable diameter to be 0.060" (nominal)

3.0 Connector Information

- 3.1 Forward Connector: Type 2.92mm male straight (3190-6877)
- 3.2 After Connector: Type MSMP female right angle (3190-6817)
- 3.3 Pin to be Gold plated Beryllium
- 3.4 Connector body to be Passivation Stainless Steel(3190-6877)
- 3.5 Connector body to be Gold plated Beryllium (3190-6817)

|   |           |    |          |  |                           |                              |
|---|-----------|----|----------|--|---------------------------|------------------------------|
| Unless otherwise specified, dimensions are in inches. Tolerances are applicable when specified. | Approvals |    |          |  <p><b>TIMES MICROWAVE SYSTEMS</b><br/>                 Wallingford, CT 06492<br/>                 (203) 949-8400<br/>                 www.timesmicrowave.com</p> |                           |                              |
|   | Drawn     | VX | 06/28/21 |  |                           |                              |
|   | Checked   | KS | 06/28/21 |  |                           |                              |
|   | Approved  | TZ | 06/28/21 |  |                           |                              |
|   |           |    |          | Microwave Cable Assembly<br>PT047-KMMSMPFR-X.XXIN  |                           |                              |
|   |           |    |          | Size<br>A  | CAGE CODE<br><b>68999</b> | Drawing No.:<br>AE-TMC-12153 |
|   |           |    |          | Scale: NA  | Rev. (A)                  | Sheet: 1 of 2                |

THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

| LTR | DESCRIPTION     | DATE     | BY |
|-----|-----------------|----------|----|
| A   | Initial release | 06/28/21 | VX |
|     |                 |          |    |

4.0 Electrical Performance

4.1 Electrical performance to meet the requirements of PT-047

| AE number       | DESC                  | Max VSWR<br>Up to 40GHz | Max IL<br>Up to 40GHz |
|-----------------|-----------------------|-------------------------|-----------------------|
| AE-TMC-12153-01 | PT047-KMMSMPFR-12.0IN | 1.40:1                  | 4.18dB                |

4.2 Withstanding voltage (DWV): 500V

5.0 Mechanical Performance

5.1 Connector-cable interface to be sealed with adhesive lined ATUM heat shrink boot and to be moisture proof.

5.2 Minimum bend radius is 0.25"

6.0 Environmental Performance


6.1 Operating Temperature Range (-40/+85 degrees C)

7.0 Marking

| AE number       | DESC                  | Label 1  |
|-----------------|-----------------------|--|
| AE-TMC-12153-01 | PT047-KMMSMPFR-12.0IN | TIMES Microwave Systems<br>AE-TMC-12153-01<br>SN |

8.0 RoHS Compliant

All raw materials and product manufactured by Supplier should be RoHS Compliant. (RoHS2.0 2011/65/EU)

|   |           |    |           |  |   |               |              |
|---|-----------|----|-----------|--|---|---------------|--------------|
| Unless otherwise specified, dimensions are in inches. Tolerances are applicable when specified. | Approvals |    |           |  <p>TIMES MICROWAVE SYSTEMS<br/>Wallingford, CT 06492<br/>(203) 949-8400<br/>www.timesmicrowave.com</p> | Microwave Cable Assembly<br>PT047-KMMSMPFR-X.XXIN |               |              |
|   | Drawn     | VX | 06/28/21  |  |   |               |              |
|   | Checked   | KS | 06/28/21  |  | Size  | CAGE CODE     | Drawing No.: |
|   | Approved  | TZ | 06/28/21  |  | A   | <b>68999</b>  | AE-TMC-12153 |
|   |           |    | Scale: NA |  | Rev. (A)  | Sheet: 2 of 2 |              |

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