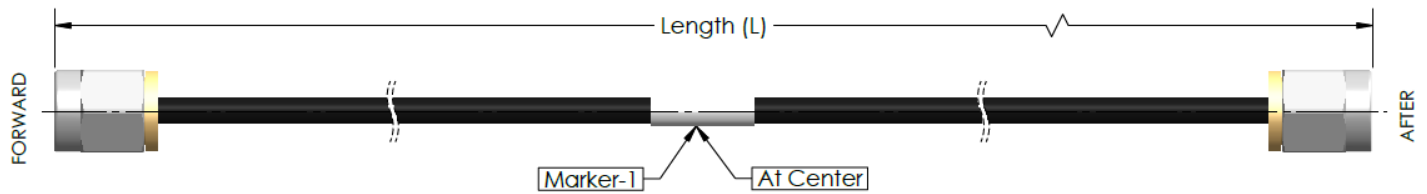


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| Dwg. Number | Customer P/N | Times P/N | Length(L) in 'inch' |
|-------------|--------------|---------------------|---------------------|
| IE-00418-01 | - | IBPS092-SMSM-6.0IN | 6 +0.20/-0 |
| IE-00418-02 | - | IBPS092-SMSM-8.0IN | 8 +0.20/-0 |
| IE-00418-03 | - | IBPS092-SMSM-10.0IN | 10 +0.20/-0 |
| IE-00418-04 | - | IBPS092-SMSM-12.0IN | 12 +0.24/-0 |

1.0 Scope

This drawing documents the construction and performance of PT- 092 cable assemblies manufactured by Times Microwave systems.

2.0 Cable Information

- 2.1 Cable to be PT-092
- 2.2 Jacket color to be Black
- 2.3 Jacket material to be Tefzel
- 2.4 Nominal cable impedance to be 50 ohms
- 2.5 Cable diameter to be 0.101" [2.57mm] (Nominal).

3.0 Connector Information

- 3.1 Forward Connector
 - Type SMA (M) Straight Connector (SP150)
 - Connector Body – Stainless Steel, Gold Plated
 - Center Contact – Beryllium Copper, Gold Plated
- 3.2 After Connector
 - Type SMA (M) Straight Connector (SP150)
 - Connector Body – Stainless Steel, Gold Plated
 - Center Contact – Beryllium Copper, Gold Plated

Unless otherwise specified, dimensions are in INCH. Tolerances are applicable when specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

Approvals

Drawn YA 10/28/22

Checked

Approved



TIMES MICROWAVE SYSTEMS

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PT-092 CABLE ASSEMBLY
(Space Assemblies)

Size A CAGE CODE 68999 Drawing No.: IE-00418-XX

Scale: NA

Rev. (A)

Sheet: 1 of 3

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4.0 Electrical Performance

4.1 Frequency range: DC – 27GHz

4.2 Insertion loss & VSWR: As per below table,

| Dwg. Number | Max. Insertion Loss in dB | Max. VSWR |
|-------------|---------------------------|-----------|
| | @ 27GHz | @ 27GHz |
| IE-00418-01 | 1.06 | 1.35 |
| IE-00418-02 | 1.29 | 1.35 |
| IE-00418-03 | 1.53 | 1.35 |
| IE-00418-04 | 1.76 | 1.35 |

5.0 Mechanical Performance

5.1 Overall Length to be specified length.

5.2 Minimum Bend radius is 0.437" [11.1mm].

6.0 Environmental Performance

6.1 Installation Temperature Range (-65°C to +150°C)

6.2 Storage Temperature Range (-65°C to +150°C)

6.3 Operating Temperature Range (-65°C to +150°C)

7.0 Marking

7.1 Markers are to be black text on White Color Marker Sleeve.

7.2 Marker Configuration to be:

| Dwg. Number | Marker 1 |
|-------------|--|
| IE-00418-01 | Times Microwave Systems IBPS092-SMSM-6.0IN \$\$\$\$\$ |
| IE-00418-02 | Times Microwave Systems IBPS092-SMSM-8.0IN \$\$\$\$\$ |
| IE-00418-03 | Times Microwave Systems IBPS092-SMSM-10.0IN \$\$\$\$\$ |

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PT-092 CABLE ASSEMBLY
(Space Assemblies)

| | | |
|-----------|---------------------------|-----------------------------|
| Size A | CAGE CODE 68999 | Drawing No.: IE-00418-XX |
|-----------|---------------------------|-----------------------------|

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IE-00418-04

Times Microwave Systems
IBPS092-SMSM-12.0IN
\$\$\$\$\$

7.3 \$\$\$\$\$ = 5-digit Serial Number for this specific configuration.

7.4 Register to be Maintained for Serial Number.

8.0 NOTES

8.1 All Dimensions are in INCH.

8.2 Assemblies built in Class 100,000 clean room.

8.3 Low outgassing materials per ASTM E595.

8.4 Unless Otherwise Specified: Tolerance will be,

| Linear Dimension | Tolerance |
|------------------|-----------|
| <20 INCH | ±0.4 INCH |
| 20-79 INCH | ±0.6 INCH |
| >79 INCH | ±0.8 INCH |

****Tolerances are not accumulative.**

Unless otherwise specified, dimensions are in INCH. Tolerances are applicable when specified.

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PT-092 CABLE ASSEMBLY
(Space Assemblies)

Size
A

CAGE CODE
68999

Drawing No.:
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Scale: NA

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