

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

REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	10/28/22	YA
B	CHANGED PER ECN #E-035	08/01/23	RR
C	CHANGED PER ECN #E-039	09/27/23	NS

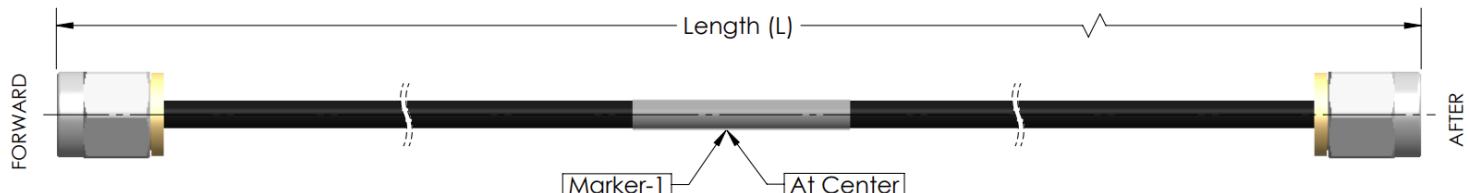


Table-1

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.	Approvals			 TIMES MICROWAVE SYSTEMS www.timesmicrowave.com
	Drawn	YA	10/28/22	
These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.	Checked			PT-092 CABLE ASSEMBLY (Space Assemblies)
	Approved			
			Size A	CAGE CODE 68999
				Drawing No: IE-00418-XX
			Scale: NA	Rev. (C)
				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) @ 27GHz	Max. VSWR	
		DC-22GHz	22GHz- 27GHz
IE-00418-01	1.06	1.35	1.45
IE-00418-02	1.29	1.35	1.45
IE-00418-03	1.53	1.35	1.45
IE-00418-04	1.76	1.35	1.45

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)

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7.0 Marking

7.1 Markers are to be black text on Clear Kynar 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 \$\$\$\$\$
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.

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