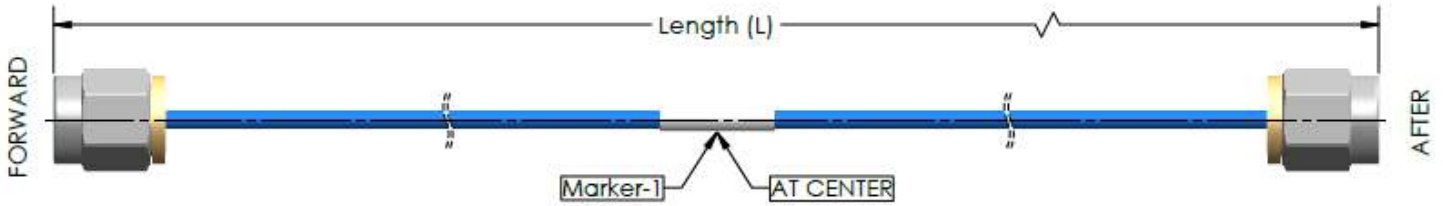


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REV	DESCRIPTION	DATE	BY
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Dwg. Number	Customer P/N	Smart P/N	Length(L) in 'INCH'
IE-00274-01	-	IB047SMSM4.0IN	4 +0.16/-0
IE-00274-02	-	IB047SMSM6.0IN	6 +0.24/-0
IE-00274-03	-	IB047SMSM8.0IN	8 +0.32/-0
IE-00274-04	-	IB047SMSM10.0IN	10 +0.40/-0
IE-00274-05	-	IB047SMSM12.0IN	12 +0.48/-0

**1.0 Scope**

This drawing documents the construction and performance of INSTABEND 047 cable assemblies manufactured by Times Microwave systems.

**2.0 Cable Information**

- 2.1 Cable to be INSTABEND 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 0.061inch [1.55mm] (Nominal).

**3.0 Connector Information:**

- 3.1 Forward Connector:  
Type SMA (M) Connector (47396)  
Connector Body – Stainless Steel, Passivated  
Center Contact – Beryllium Copper, Gold Plated
- 3.2 After Connector:  
Type SMA (M) Connector (47396)  
Connector Body – Stainless Steel, Passivated  
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	SVP	05/14/22
Checked		
Approved		



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INSTABEND 047 CABLE ASSEMBLY

Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00274-XX
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Scale: NA

Rev. (A)

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**4.0 Electrical Performance**

Dwg. Number	Max. Insertion Loss in (dB)	Max. VSWR
	@ 10MHz – 27000 MHz	10MHz – 27000 MHz
IE-00274-01	1.22	1.25
IE-00274-02	1.66	1.25
IE-00274-03	2.10	1.25
IE-00274-04	2.54	1.25
IE-00274-05	2.98	1.25

**5.0 Mechanical Performance**

- 5.1 Overall Length to be specified length.
- 5.2 Minimum Bend radius is 0.750inch [19.05mm].

**6.0 Environmental Performance**

- 6.1 Installation Temperature Range (-65°C to +125°C)
- 6.2 Storage Temperature Range (-65°C to +125°C)
- 6.3 Operating Temperature Range (-65°C to +125°C)

**7.0 Marking Details**


- 7.1 Markers are to be black text on White Color Marker Sleeve.
- 7.2 Marker Configuration to be:

Dwg. Number	Marker 1
IE-00274-01	Times Microwave Systems IB047SMSM4.0IN \$\$\$\$\$
IE-00274-02	Times Microwave Systems IB047SMSM6.0IN \$\$\$\$\$
IE-00274-03	Times Microwave Systems IB047SMSM8.0IN \$\$\$\$\$
IE-00274-04	Times Microwave Systems IB047SMSM10.0IN \$\$\$\$\$
IE-00274-05	Times Microwave Systems IB047SMSM12.0IN \$\$\$\$\$

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

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INSTABEND 047 CABLE ASSEMBLY		
Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00274-XX
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REV	DESCRIPTION	DATE	BY
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- 7.3 \$\$\$\$\$ = 5-digit Serial Number for this specific Configuration.
- 7.4 Register to be Maintained for Serial Number.

**8.0 NOTES**

1. Unless Otherwise Specified: Tolerance will be

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

**\*\*Tolerances are not accumulative.**

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

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Approvals		
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Checked		
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**INSTABEND 047 CABLE ASSEMBLY**

Size A	CAGE CODE <b>68999</b>	Drawing No.: IE-00274-XX
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Scale: NA

Rev. (A)

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