



Differential Probe Series

True 100Ω Differential Design

In-Situ Board

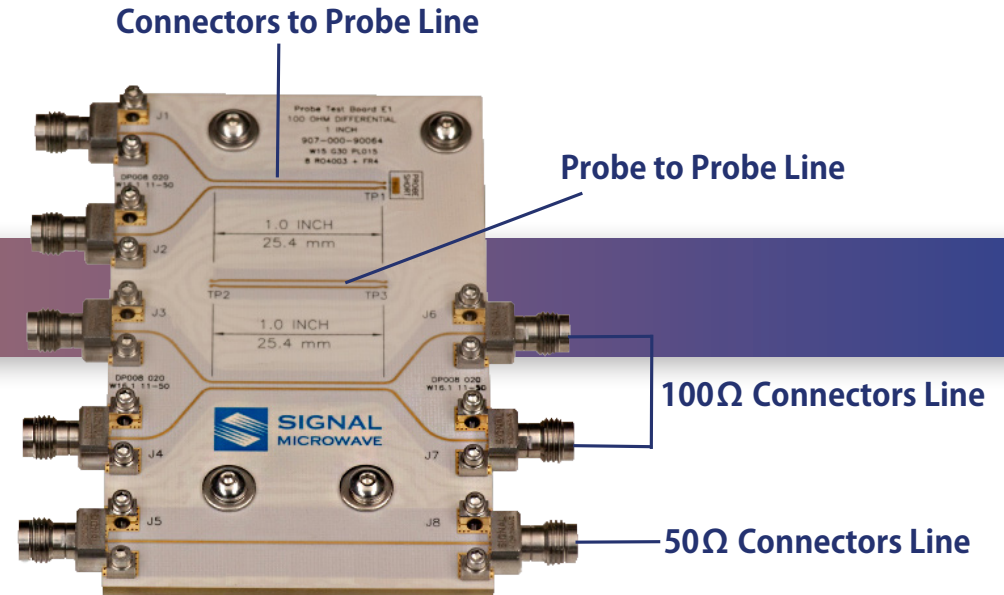
40, 50, 70 GHz Bandwidth

HASCO RF is an Authorized Distribution Partner for Signal Microwave GigaProbes® Differential Probe Solutions.

Signal Microwave has a probe “in-situ” (ISB) board to create the files required by the Atatec software.

- 50 and 100Ω connector to connector, and probe to probe (for reference).
- 100Ω connector to probe pads (to create the “in-situ” file).
- It also has a shorting pad to create probe “short” files.

Part Number	Frequency
ISB40-1-003	40 GHz
ISB50-1-003	50 GHz
ISB70-1-001	70 GHz
ISB110-1-002	110 GHz



Probe Station with In-Situ Board (ISB)



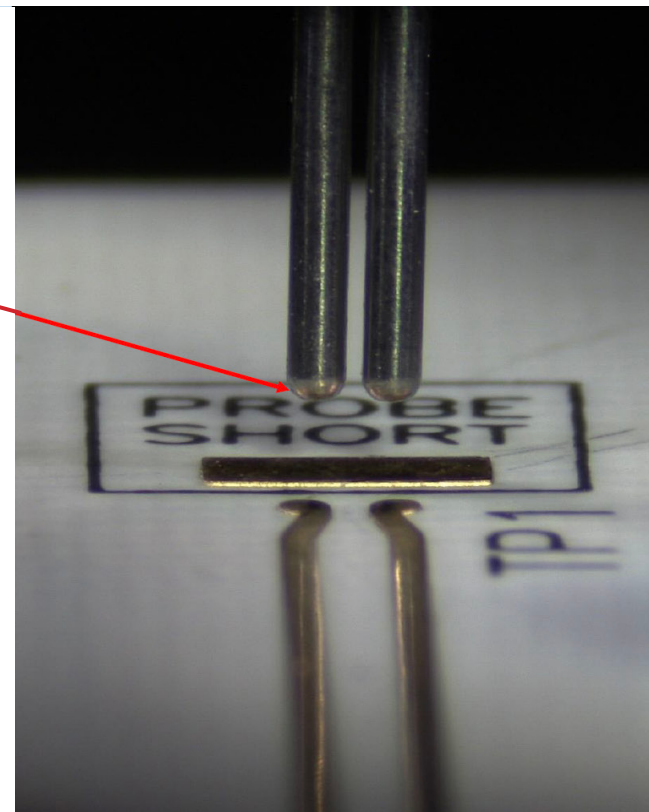
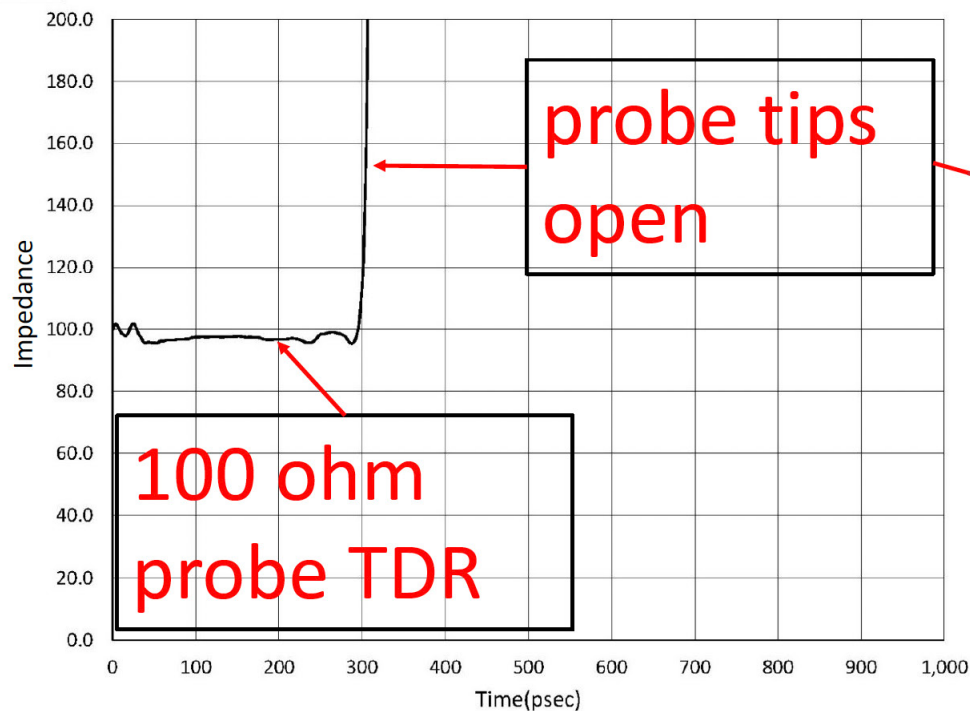
VNA Port 1 & 3
connect to probe

VNA Port 2 & 4
connect to board



FPP70-1.00-001 SN 2039

Open

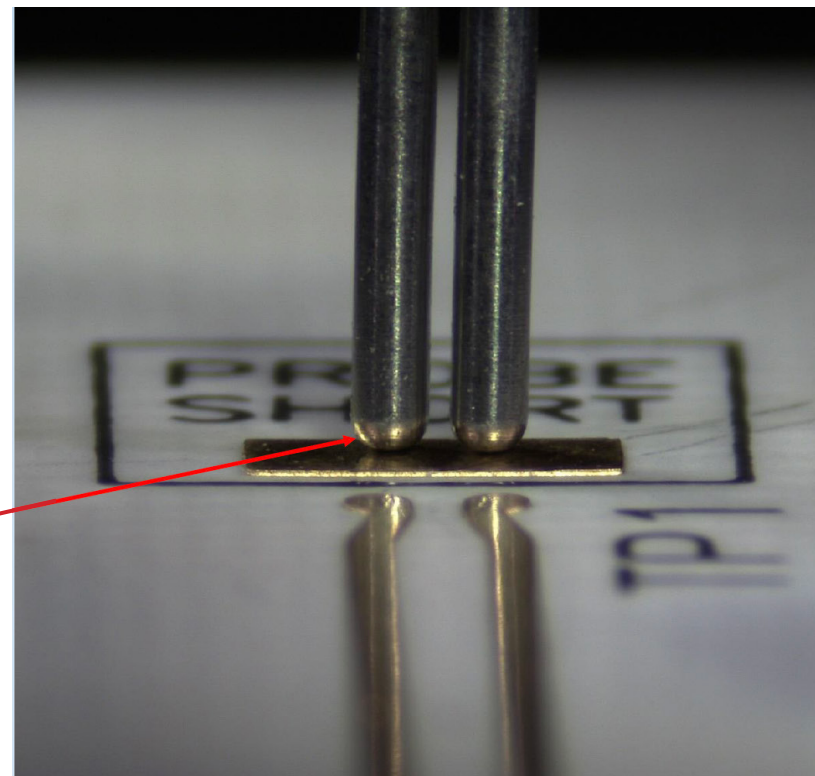
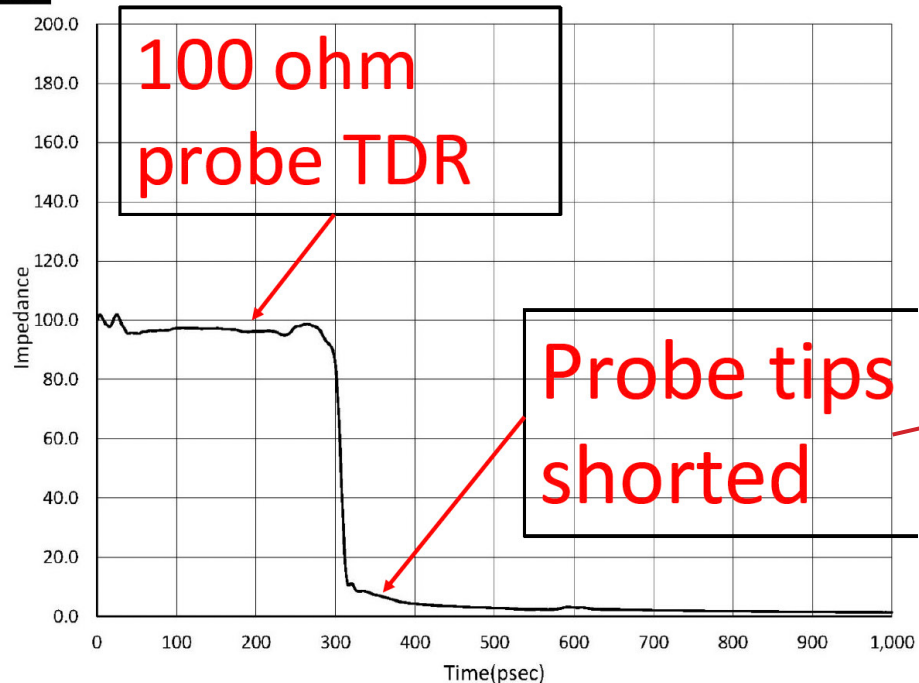


LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: <i>NS</i>	REVIEWED BY: <i>JS</i>	HASCO RF 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com					
-	RELEASE	7/26	TC		APPROVED BY: <i>TC</i>						
				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.		MATERIALS:		CAGE CODE:	SCALE:	SIZE:	
						SEE DATA SHEET		0T8L4	N/A	A	
						FINISHES:		PART NO./DRAWING NO.			REV:
						SEE DATA SHEET		ISB			-
THIS DRAWING IS A CONTROLLED DOCUMENT											



FPP70-1.00-001 SN 2039

Short



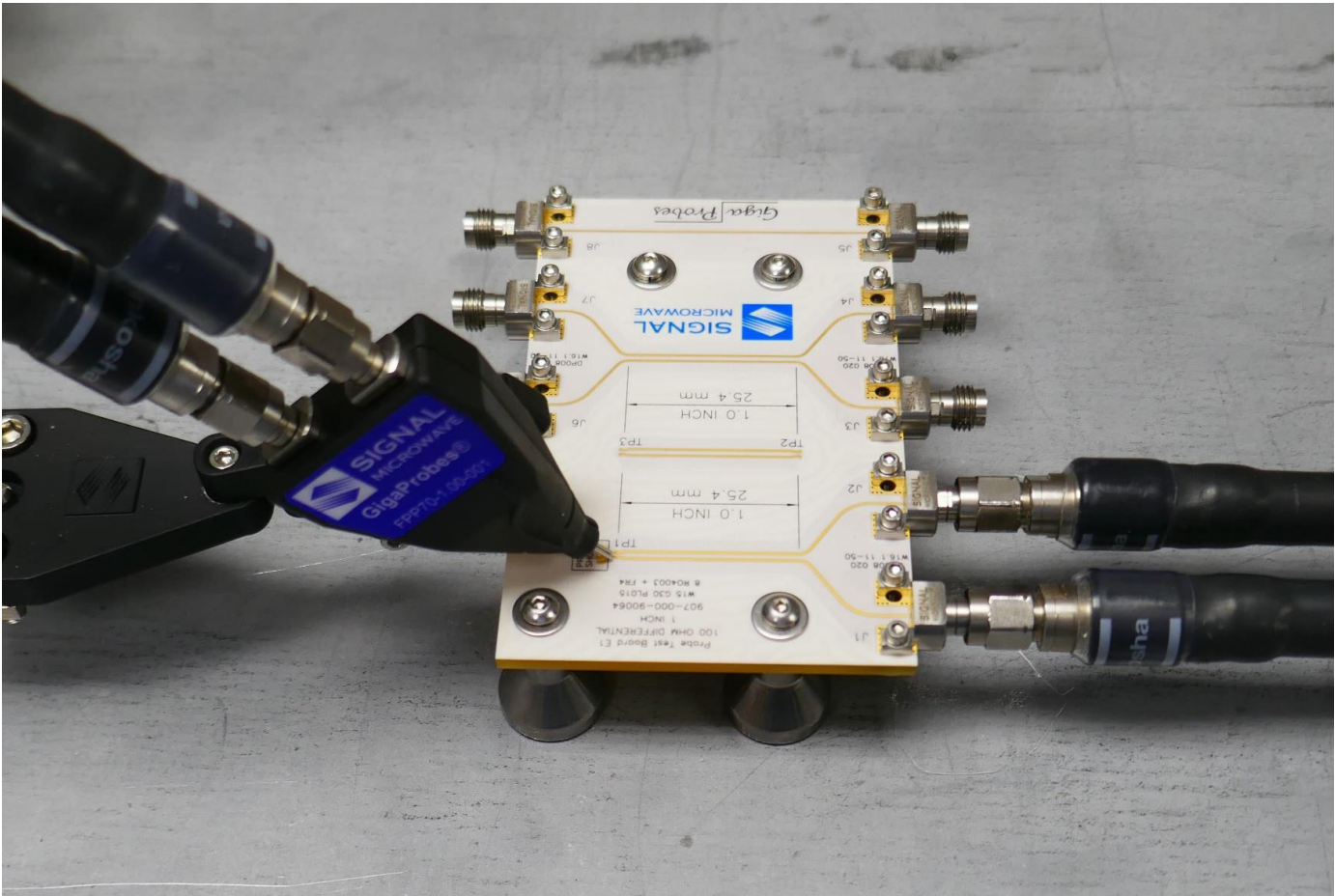
LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	7/26	TC		APPROVED BY: TC
				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.	
THIS DRAWING IS A CONTROLLED DOCUMENT					



5214 Bonsai Avenue • Moorpark, CA 93021
 (888) 498-3242 • sales@hasco-inc.com
www.hasco-inc.com

MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. ISB		REV: -

In-Situ Board (ISB) and Probe Through Line Data Saved as .s4p File



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	7/26	TC		APPROVED BY: TC
				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.	
THIS DRAWING IS A CONTROLLED DOCUMENT					



HASCO

RF

5214 Bonsai Avenue • Moorpark, CA 93021
(888) 498-3242 • sales@hasco-inc.com
www.hasco-inc.com

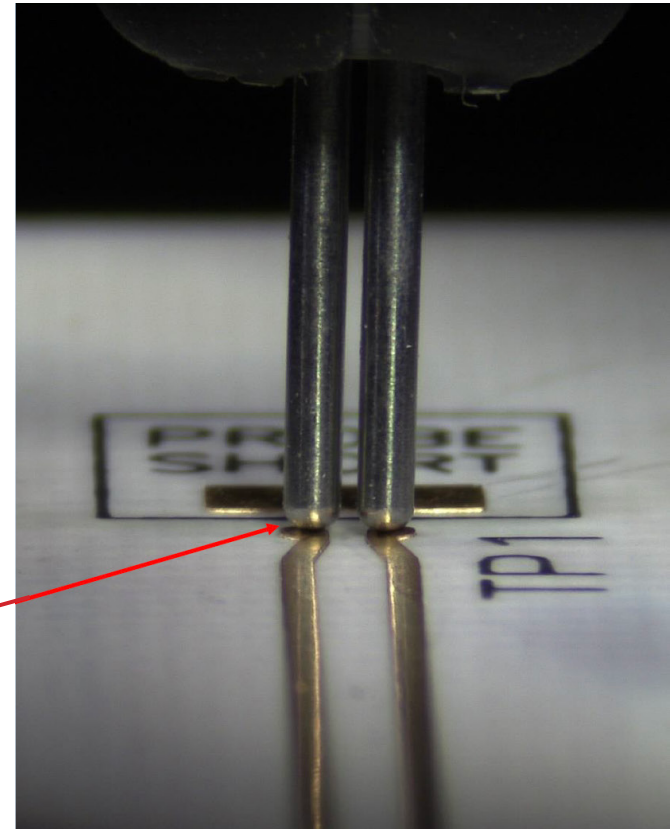
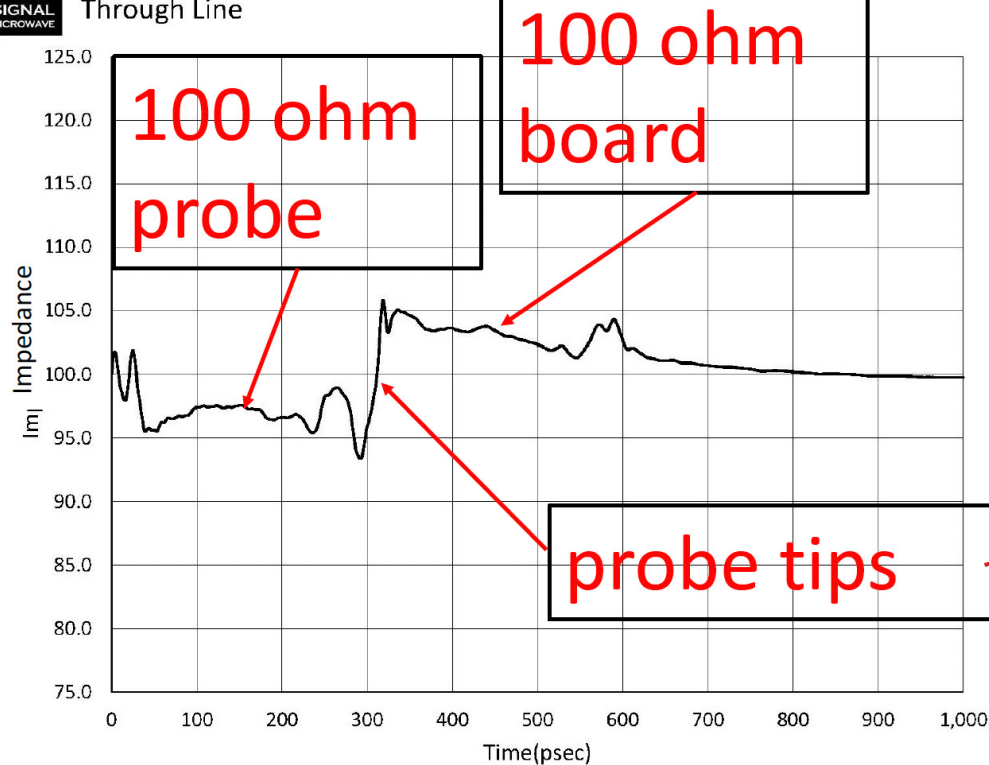
MATERIALS:	CAGE CODE:	SCALE:	SIZE:
SEE DATA SHEET	0T8L4	N/A	A
FINISHES:	PART NO./DRAWING NO.		REV:
SEE DATA SHEET	ISB		-

In-Situ Board and Probe Through Line TDR



FPP70-1.00-001 SN 2039

Through Line

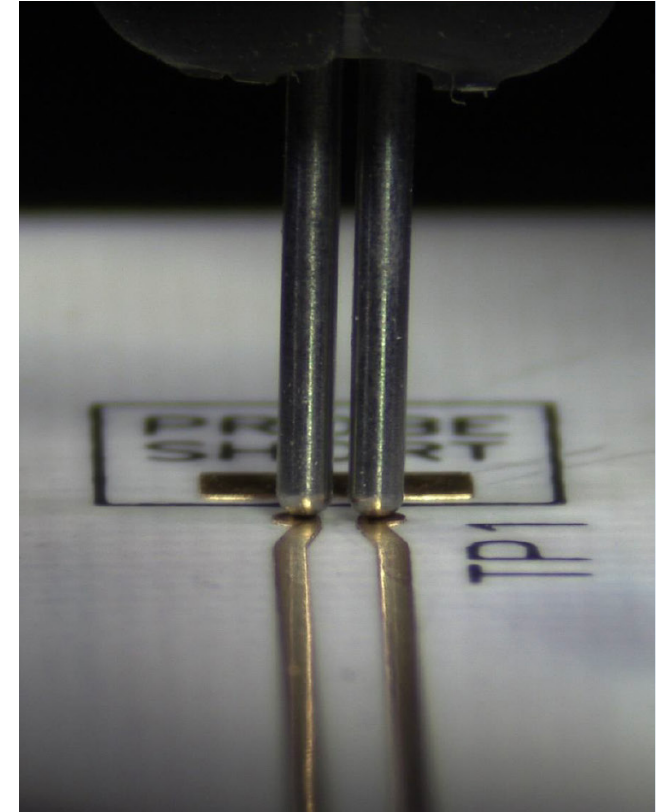
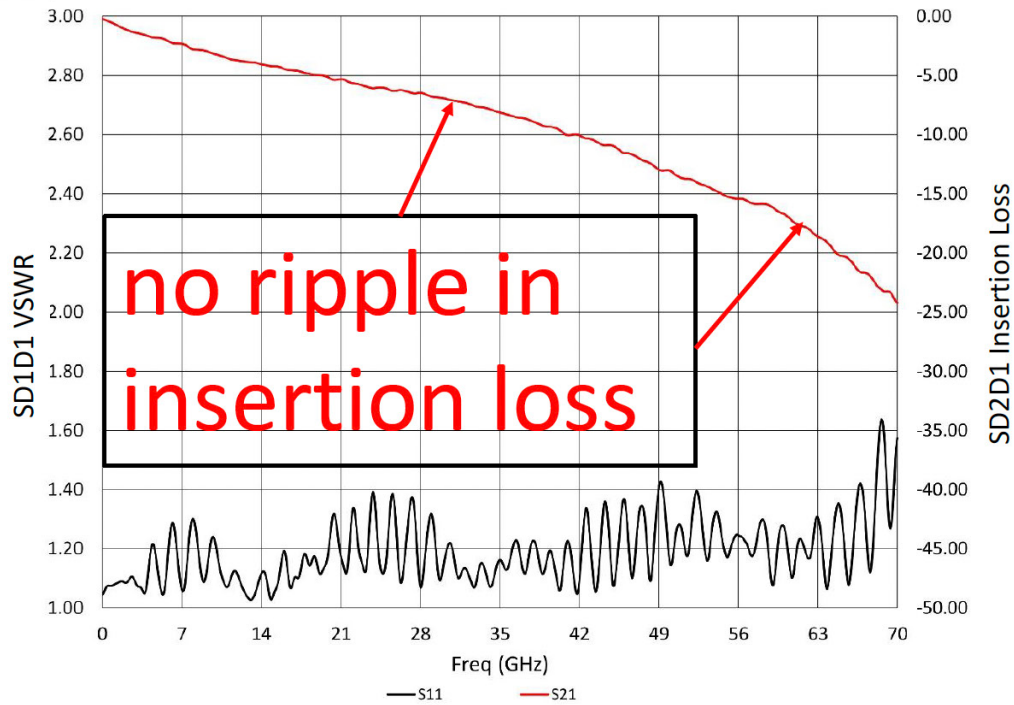


LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS	 HASCO RF 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com					
-	RELEASE	7/26	TC		APPROVED BY: TC						
				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.		MATERIALS:		CAGE CODE:	SCALE:	SIZE:	
						SEE DATA SHEET		0T8L4	N/A	A	
						FINISHES:		PART NO./DRAWING NO.		REV:	
THIS DRAWING IS A CONTROLLED DOCUMENT						SEE DATA SHEET		ISB		-	

Board and Probe Through Line S-Parameters



ISB and Probe Line De-Embedding Off, No Smoothing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS	 HASCO RF 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com					
-	RELEASE	7/26	TC		APPROVED BY: TC						
				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.		MATERIALS:		CAGE CODE:	SCALE:	SIZE:	
						SEE DATA SHEET		0T8L4	N/A	A	
						FINISHES:		PART NO./DRAWING NO. ISB		REV:	
						SEE DATA SHEET				-	
THIS DRAWING IS A CONTROLLED DOCUMENT											