

Product: Hybrid Coupler

Part Number: LDC-4/40-90S



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	4	-	40	GHz
2	Insertion Loss	-	-	2.5	dB
3	Phase Balance:	-	-	±8	dB
4	Amplitude Balance	-	-	±1.0	dB
5	Isolation	13	-		dB
6	VSWR	-	-	1.6	-
7	Power			10	W cw
8	Operating Temperature Range	-40	-	+85	°C
9	Impedance	-	50	-	Ω
10	Connector	2.92-F			
11	Preferred finish	Black/yellow/green/silver/blue			

Remarks:

1. Not include Theoretical loss 3db
2. Power rating is for load vswr better than 1.20:1

Environmental Specifications	
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	stainless steel
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.1kg

Outline Drawing:

All Dimensions in mm

Outline Tolerances ± 0.5(0.02)

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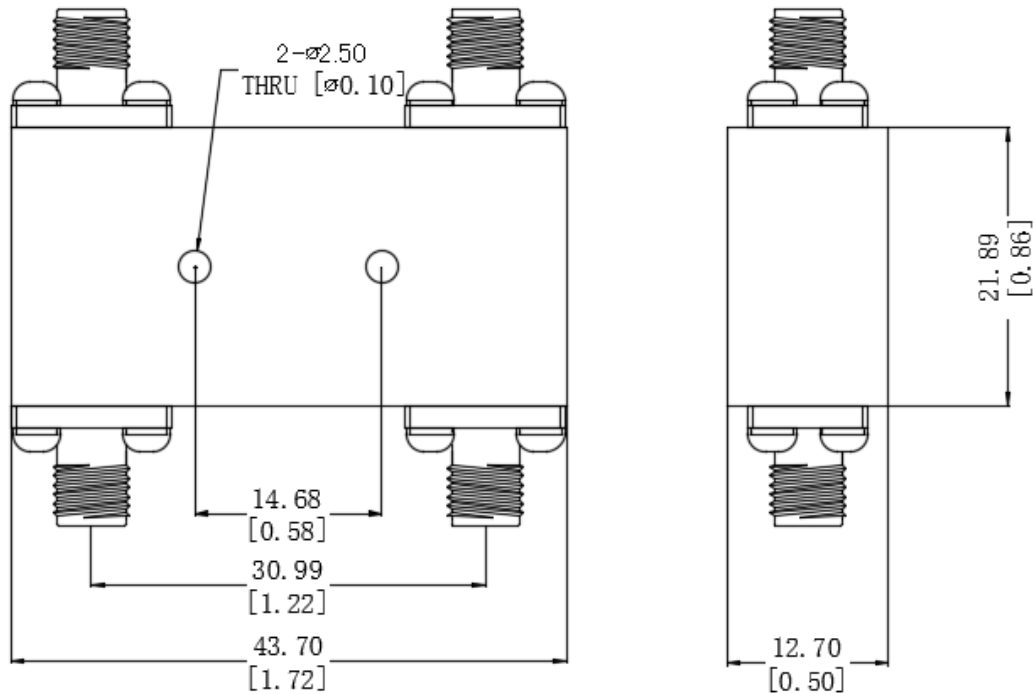
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Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: 2.92-Female



TEST DATA

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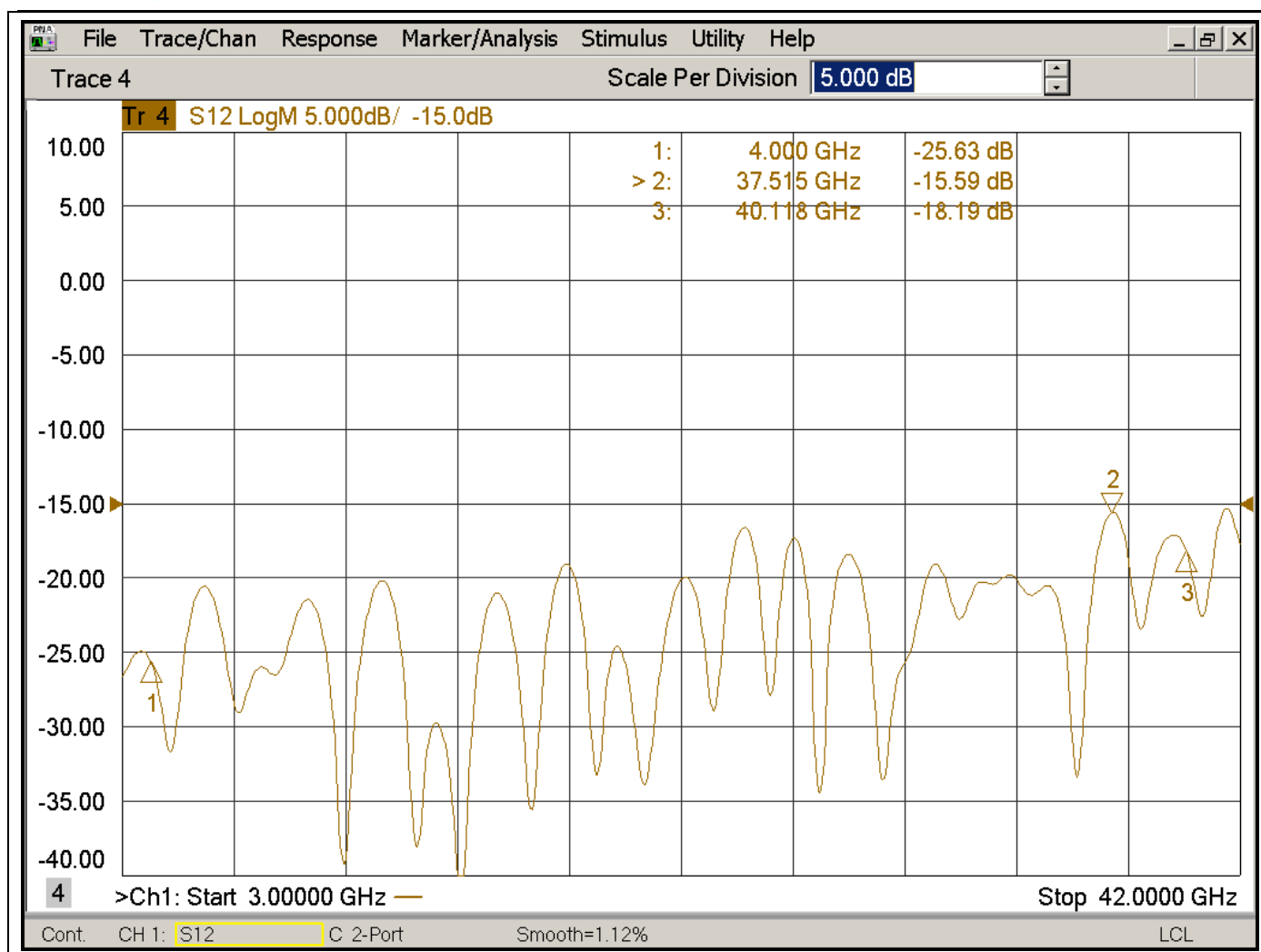
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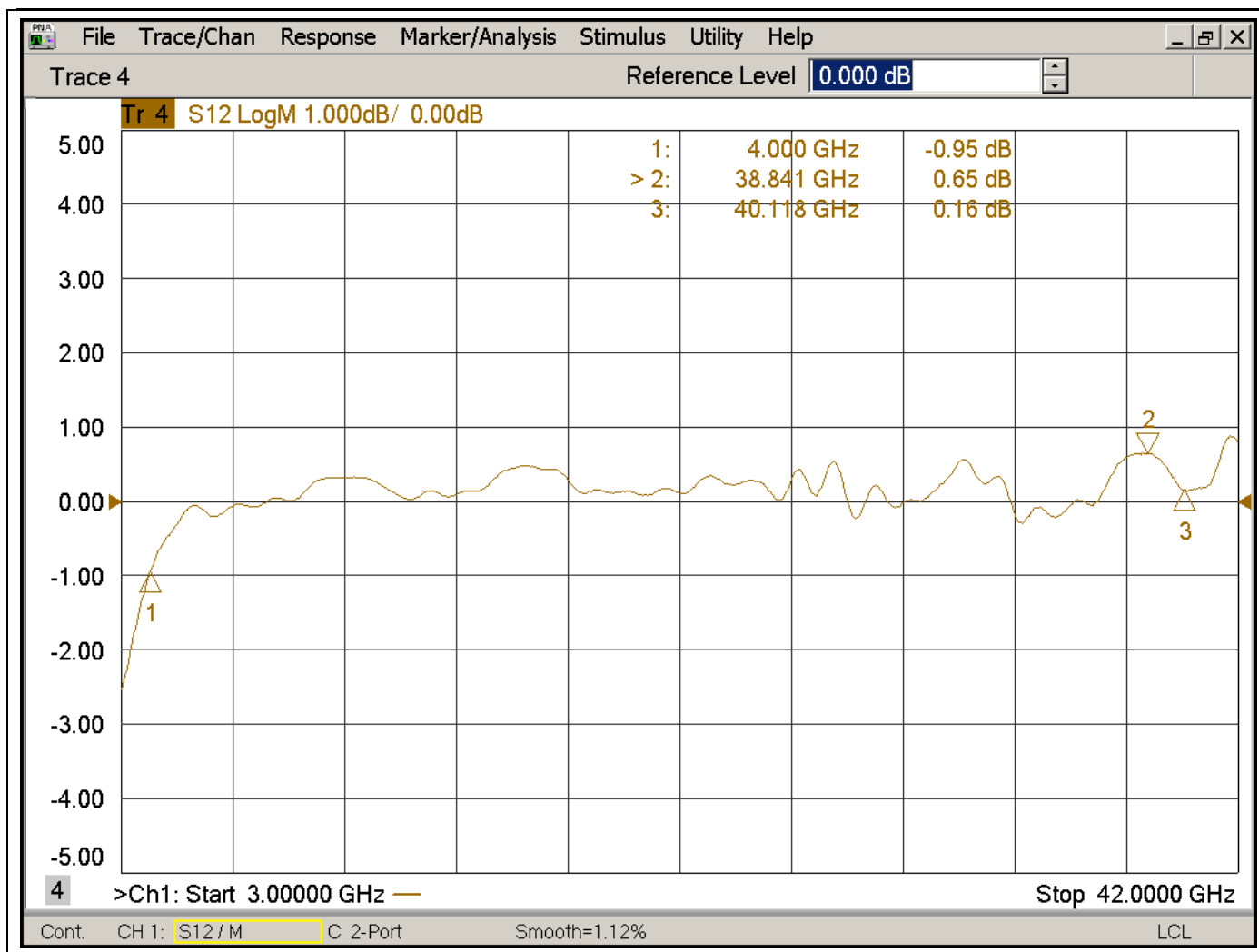
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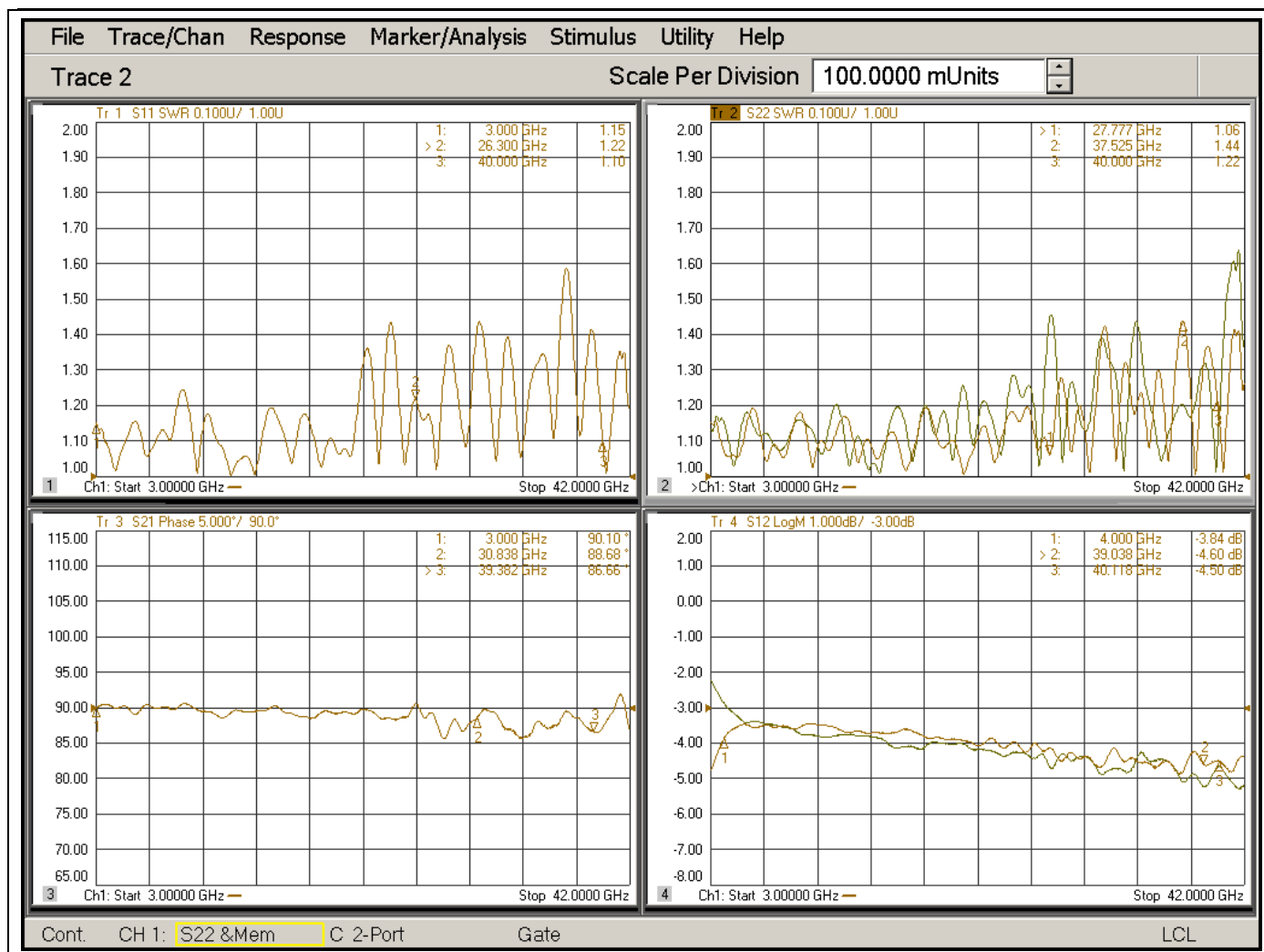
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