

Product: 10dB directional Coupler



Part Number: LDC-0.5/40-10S

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.5	-	40	GHz
2	Nominal Coupling		10		dB
4	Insertion Loss			3.2	db
5	Coupling Accuracy	-	-	±1.5	dB
6	Coupling Sensitivity to Frequency		±0.7-	±1	dB
7	Directivity:	10	15		dB
8	VSWR	-	-	1.6	-
9	Power			20	W cw
10	Operating Temperature Range	-40	-	+85	°C
11	Impedance	-	50	-	Ω
12	Connector	2.92-F			
13	Preferred finish	Black/Sliver/yellow/green			

**Remarks:**

1.Include Theoretical loss 0.46db 2.Power rating is for load vswr better than 1.20:1

Environmental Specifications	
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+95°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 11 msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	stainless steel
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.3kg

**Outline Drawing:**

All Dimensions in mm

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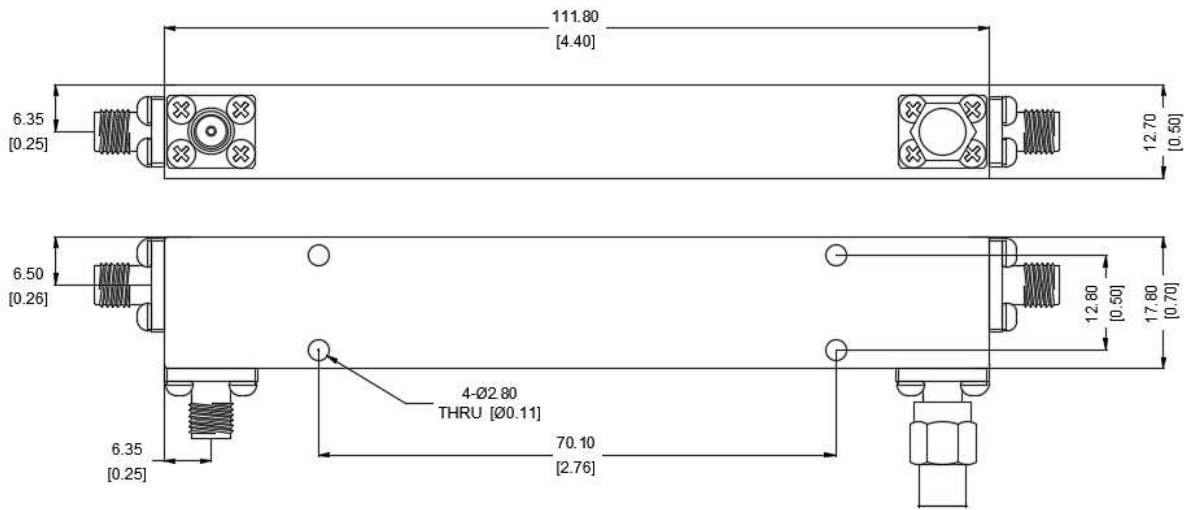
Add: 中国 成都市成华区华翰路 89 号 610000

No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

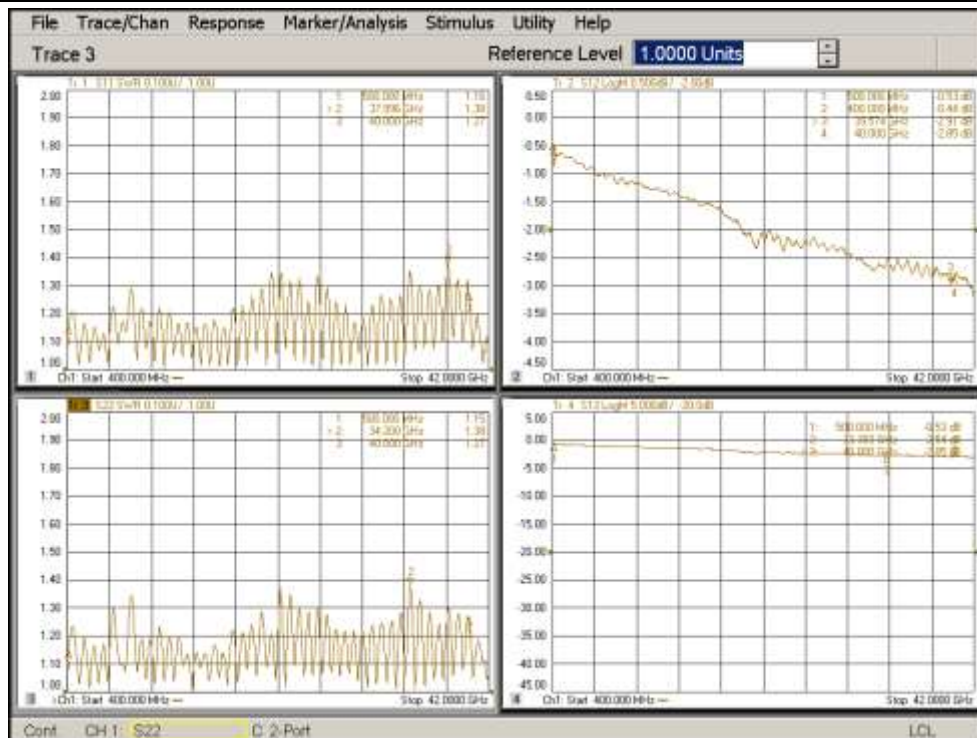
Outline Tolerances  $\pm 0.5(0.02)$

Mounting Holes Tolerances  $\pm 0.2(0.008)$

All Connectors: 2.92-Female



## TEST DATA



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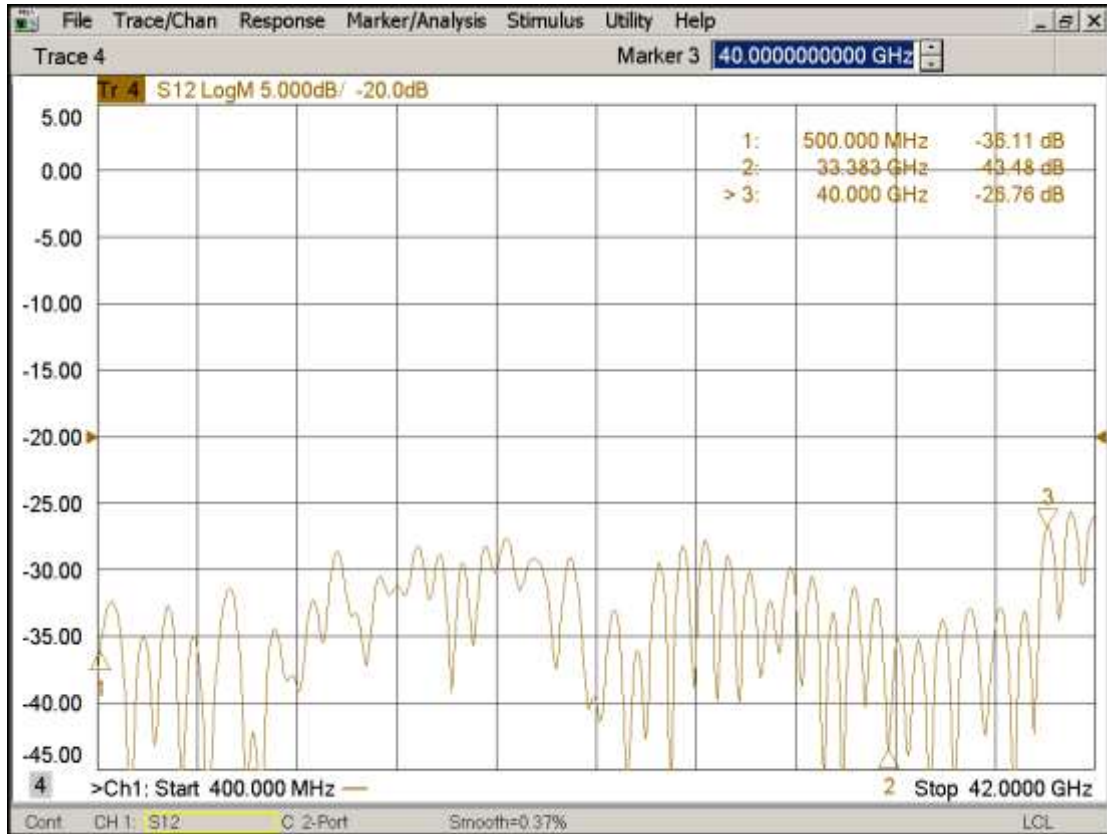
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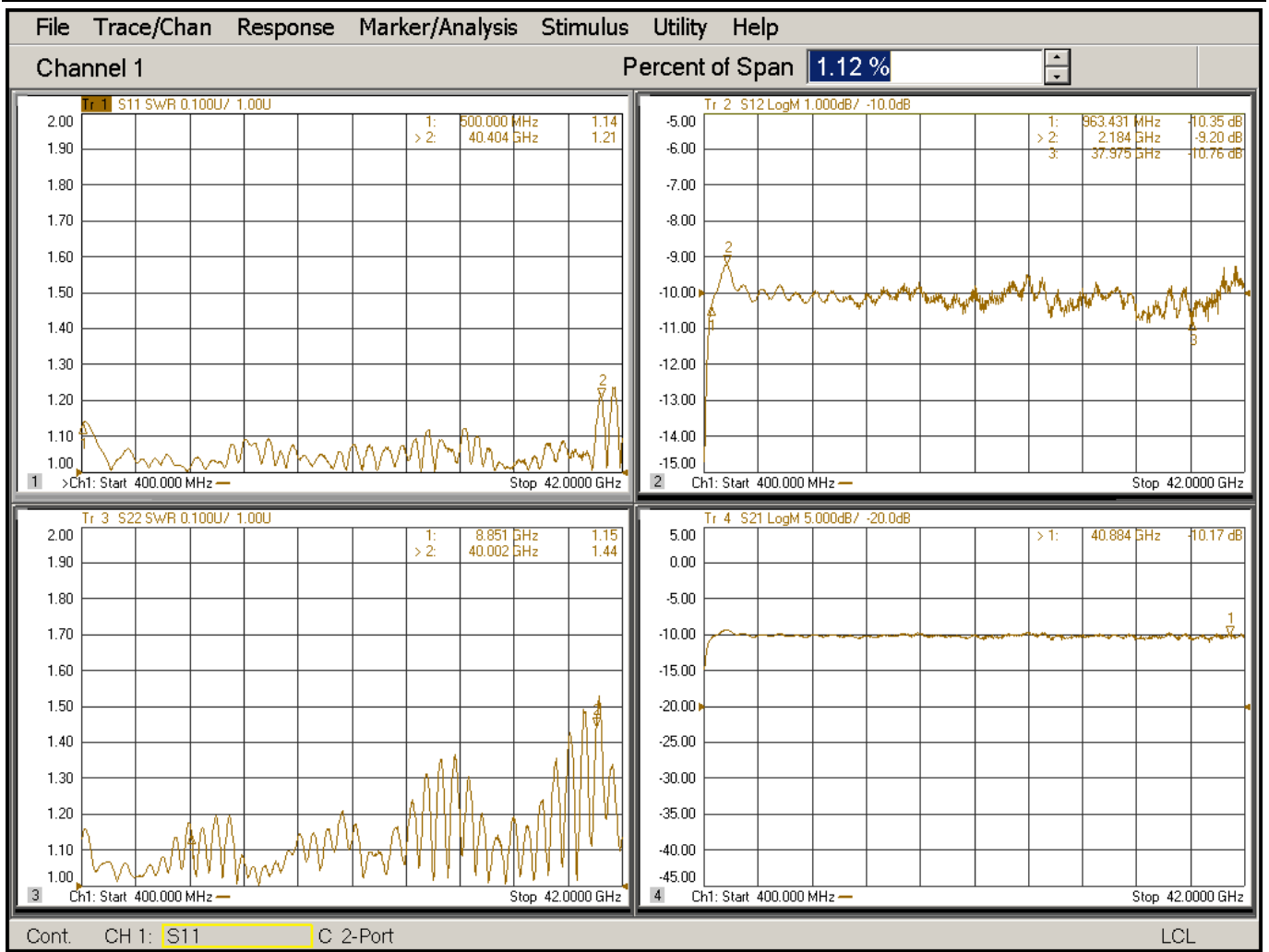
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