Product: Hybrid Coupler



Part Number: LDC-25.5/27-90S

Specification					
No.	**Parameter**	**Minimum**	**Typical**	**Maximum**	**Units**
1	Frequency range	25.5	-	27	GHz
2	Insertion Loss	-	-	1.5	dB
3	Phase Balance:	-	-	± 10	dB
4	Amplitude Balance	-	-	± 0.6	dB
5	Isolation	14	-		dB
6	VSWR	-	-	1.6	-
7	Power			20	W cw
8	Operating Temperature Range	-40	-	+85	˚C
9	Impedance	-	50	-	Ω
10	Connecter	2.92-F			
11	Preferred finish	Black/yellow/green/sliver/blue			

Remarks:

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

Environmental Specifications	
Operational Temperature	-40ºC~+85ºC
Storage Temperature	-50ºC~+105ºC
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35ºc, 95%RH at 40ºc
Shock	20G for 11msec half sine wave,3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	Passivated or stainless steel
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.1kg

Outline Drawing:

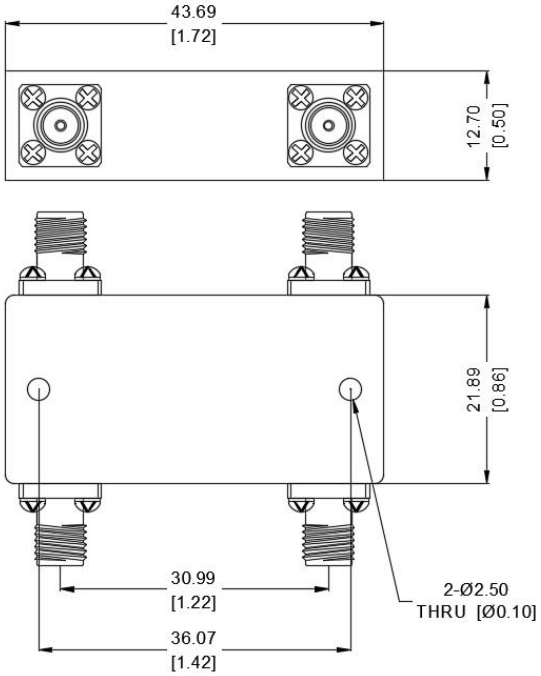
All Dimensions in mm

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Outline Tolerances ± 0.5(0.02)

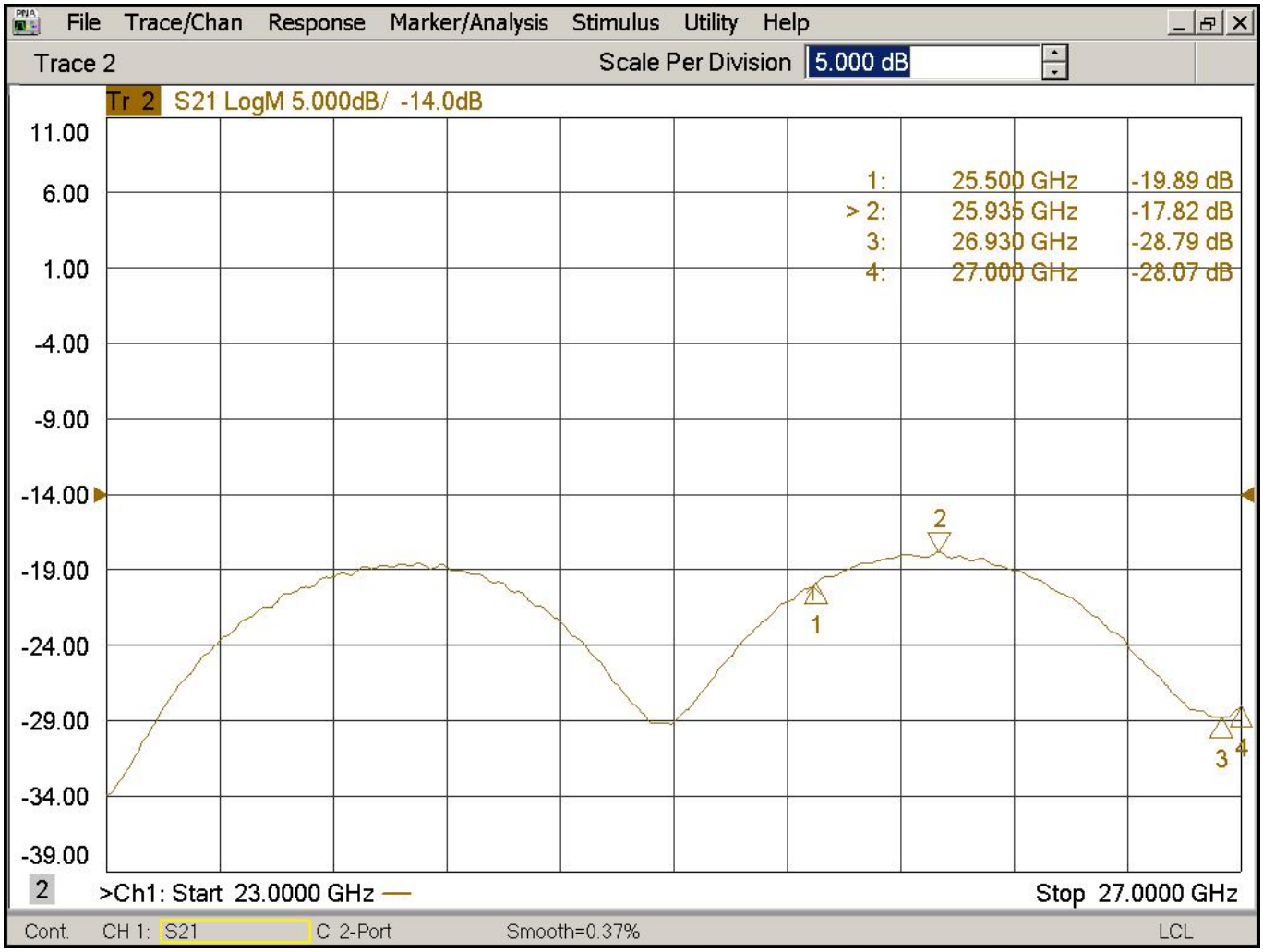
Mounting Holes Tolerances ±0.2(0.008)

All Connectors: 2.92-Female

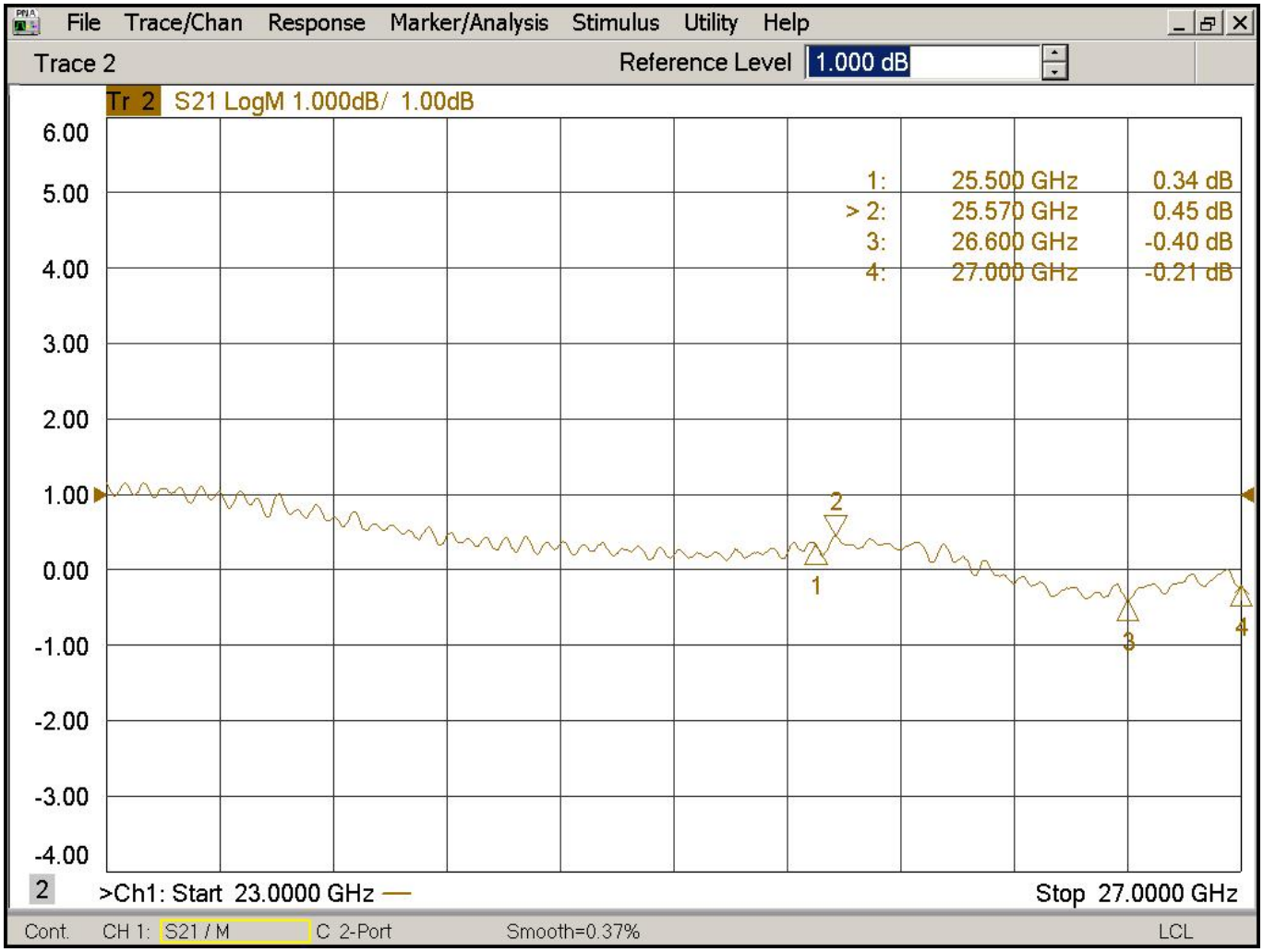


TEST DATA

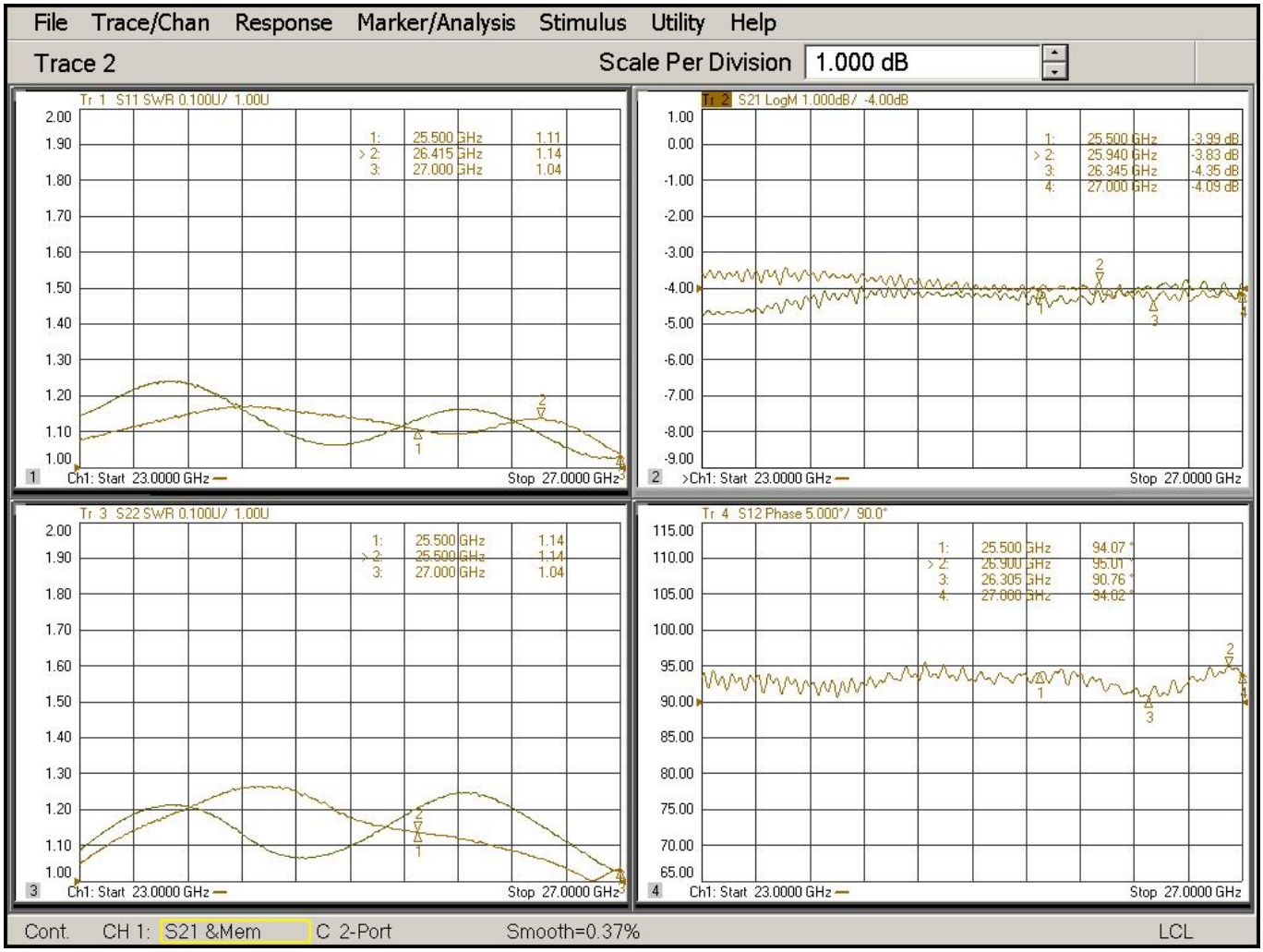
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