

Product: Hybrid Coupler



Part Number: LDC-6/26.5-180S

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	6	-	26.5	GHz
2	Nominal Coupling		3		dB
3	Nominal Degree	-	180		deg
4	Insertion Loss			2.2	db
5	Phase Balance:	-	-	±10	dB
6	Amplitude Balance	-	-	±0.8	dB
7	Isolation	14	-		dB
8	VSWR	-	-	1.7	-
9	Power			20	W cw
10	Operating Temperature Range	-40	-	+85	°C
11	Impedance	-	50	-	Ω
12	Connector	SMA-f			
13	Preferred finish	Black/Yellow/green/blue/silver			

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~+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 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	0.2kg

Outline Drawing:

All Dimensions in mm

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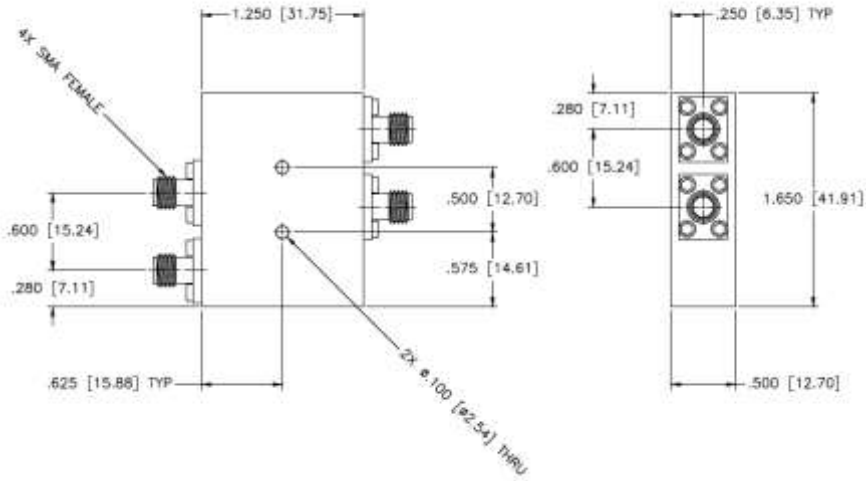
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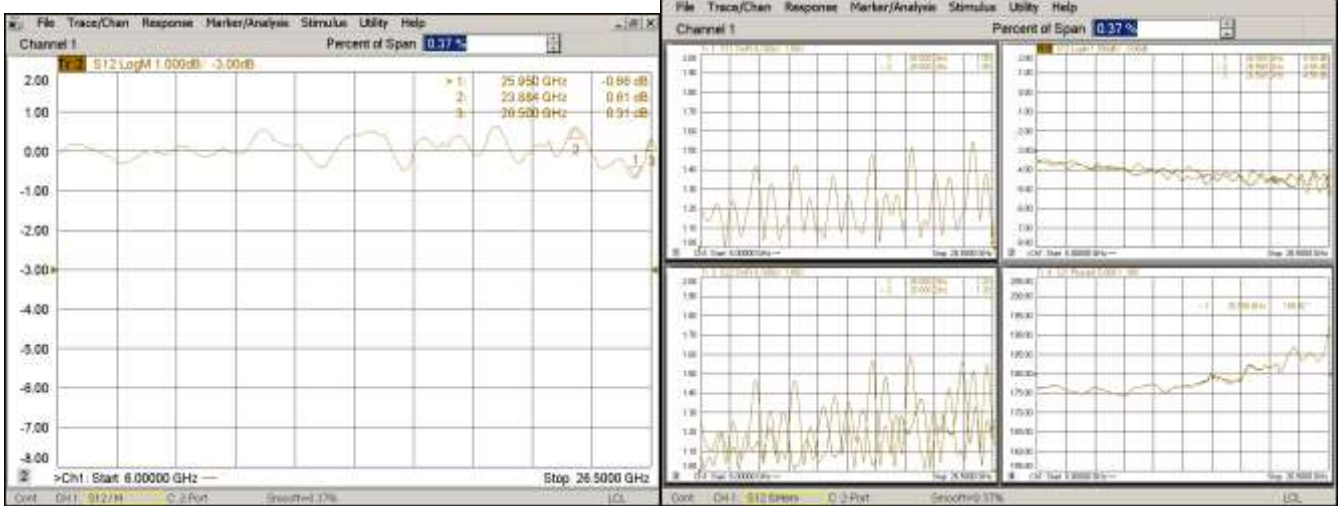
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Outline Tolerances $\pm 0.5(0.02)$
Mounting Holes Tolerances $\pm 0.2(0.008)$
All Connectors: SMA-Female



TEST DATA	
1:Input port VSWR	2:Port 0 Port 90 VSWR
3:Insertion loss	4: Input amplitude balance
5. Input phase balance	6. Port 0 to Port 90 isolation



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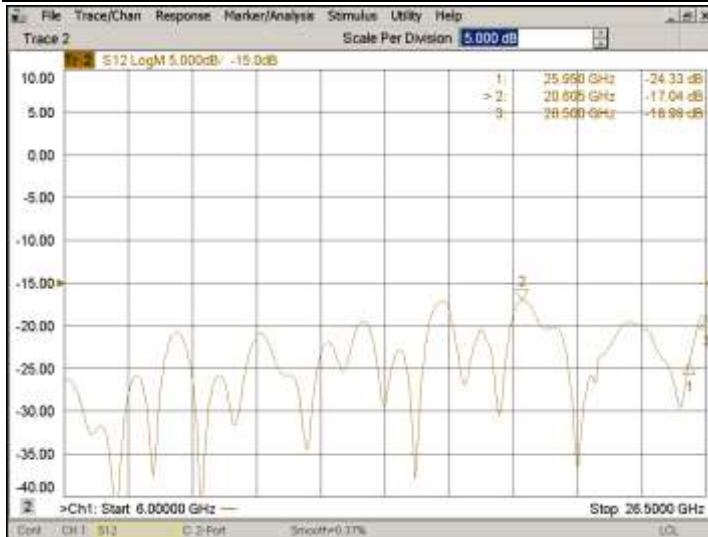
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