

Product: Hybrid Coupler

Part Number: LDC-0.5/3-90S



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.5	-	3	GHz
2	Insertion Loss	-	-	1	dB
3	Phase Balance:	-	-	±5	dB
4	Amplitude Balance	-	-	±0.6	dB
5	Isolation	20	-		dB
6	VSWR	-	-	1.25	-
7	Power			30	W cw
8	Operating Temperature Range	-40	-	+85	°C
9	Impedance	-	50	-	Ω
10	Connector	Sma-f			
11	Preferred finish	black			

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
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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	ternary alloy
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.1kg

Outline Drawing:

成都利德尔科技有限公司 ChengDu Leader Microwave Technology Co.,Ltd

电话: 028-65199117 传真: 028-65199116

<http://www.leadermicrowave.com> sales@leader-mw.com

TEL: +86-28-65199117 FAX: +86-28-65199116

Add: 中国 成都市成华区华翰路 89 号 610000

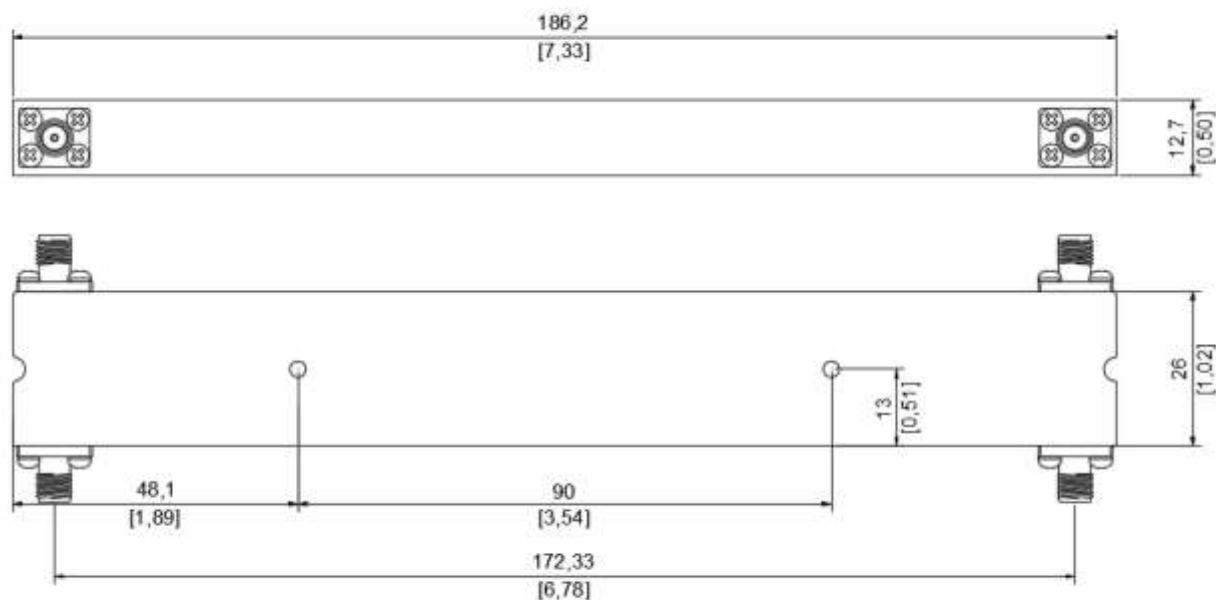
No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

All Dimensions in mm

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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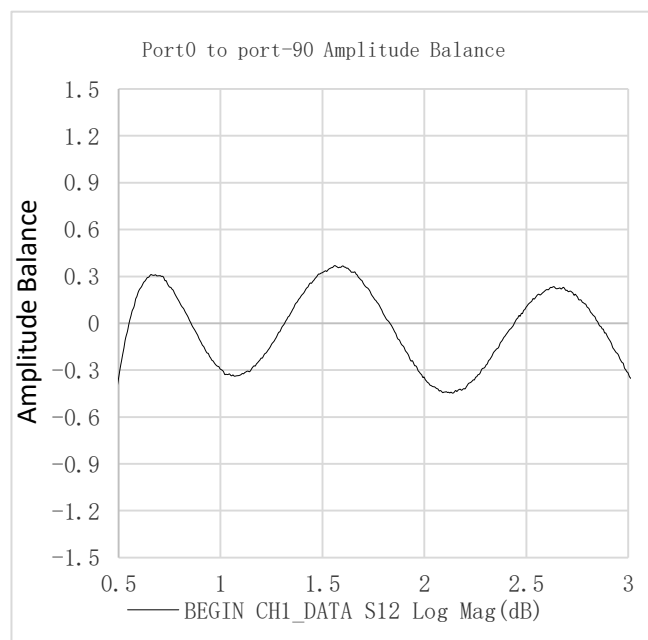
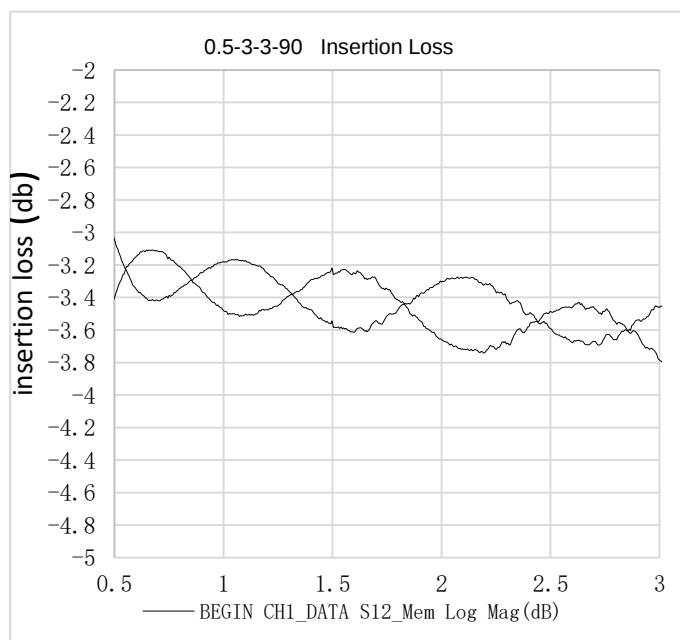
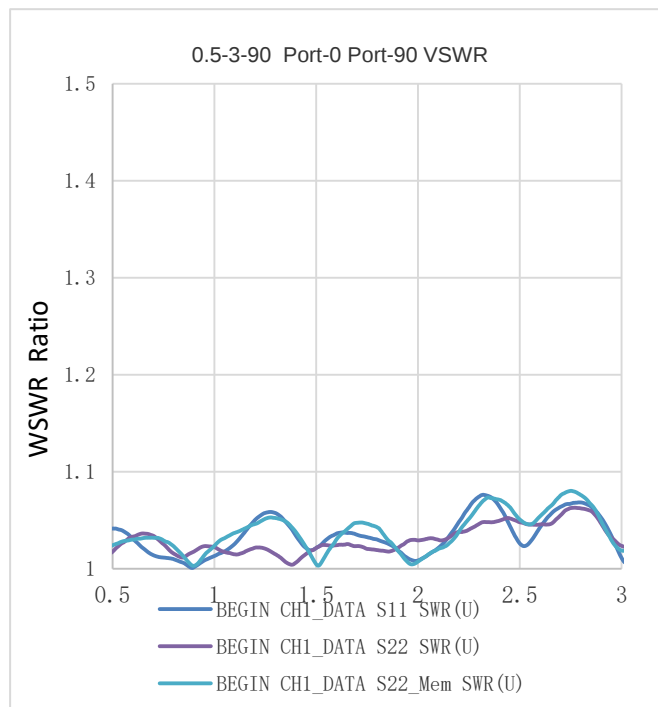
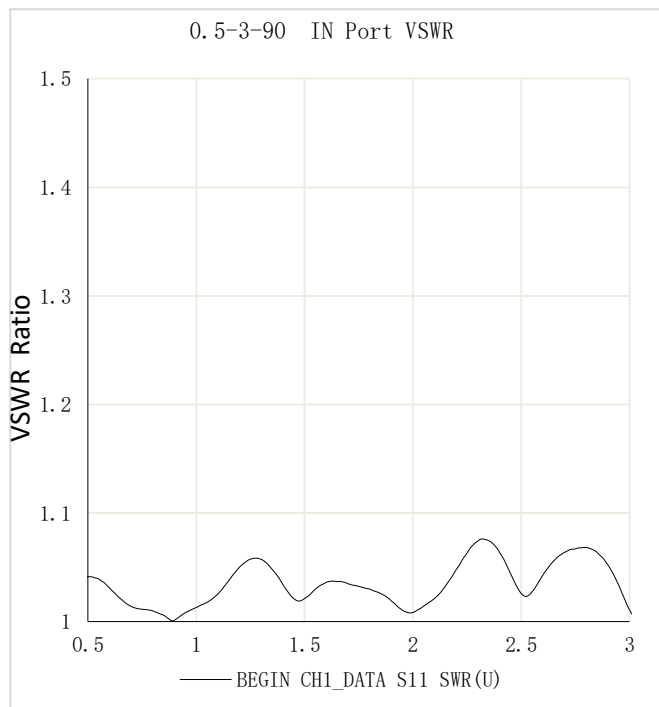
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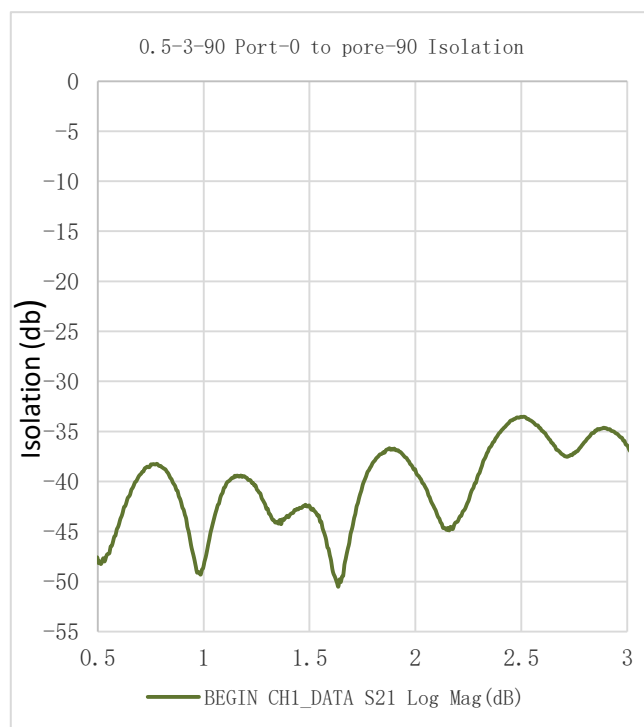
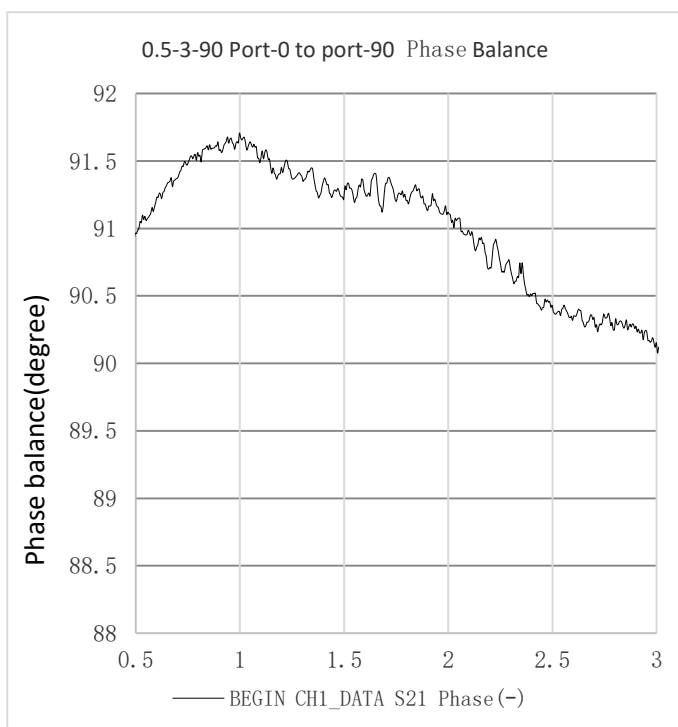
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