

Product: Drop in Hybrid Coupler



Part Number: LDC-6/18-90IN

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	6	-	18	GHz
2	Insertion Loss	-	-	0.75	dB
3	Phase Balance:	-	-	±5	dB
4	Amplitude Balance	-	-	±0.7	dB
5	Isolation	15	-		dB
6	VSWR	-	-	1.5	-
7	Power			5	W cw
8	Operating Temperature Range	-40	-	+85	°C
9	Impedance	-	50	-	Q
10	Connector	Drop in			
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
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	strip line
Rohs	compliant
Weight	0.1kg

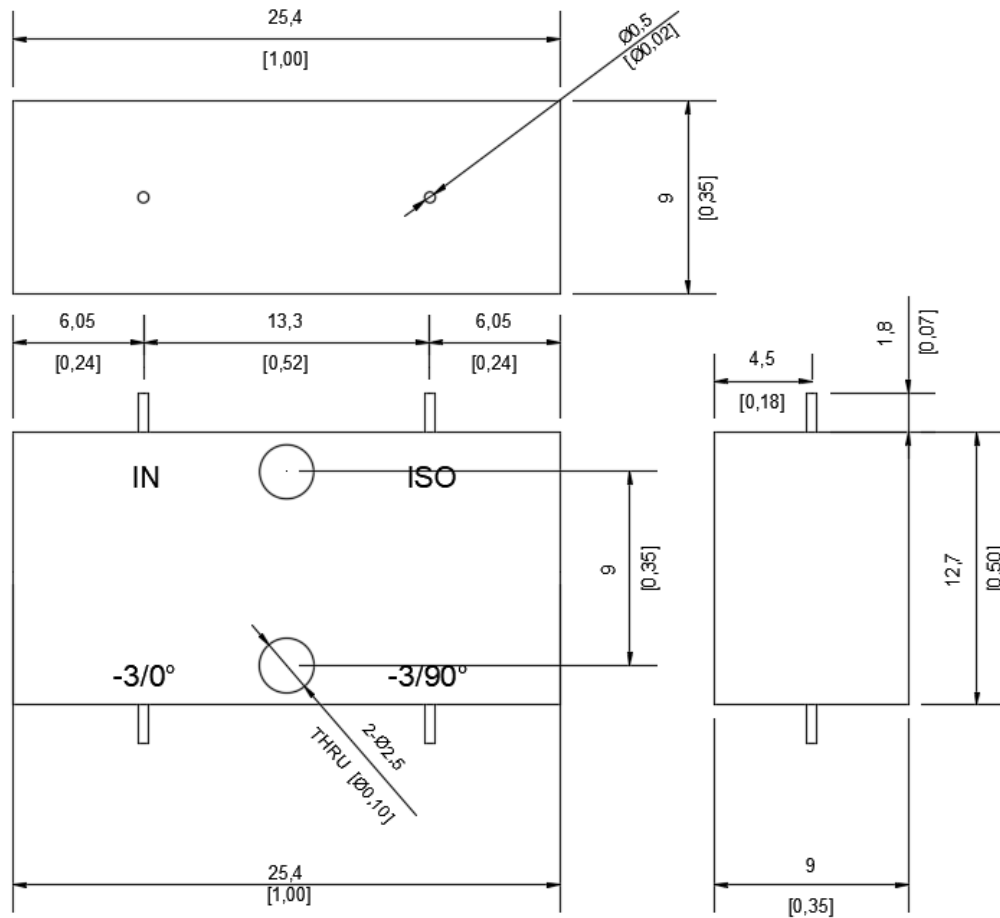
Outline Drawing:

All Dimensions in mm

Outline Tolerances ± 0.5(0.02)

Mounting Holes Tolerances ±0.2(0.008)

All Connectors: Drop in



TEST DATA

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

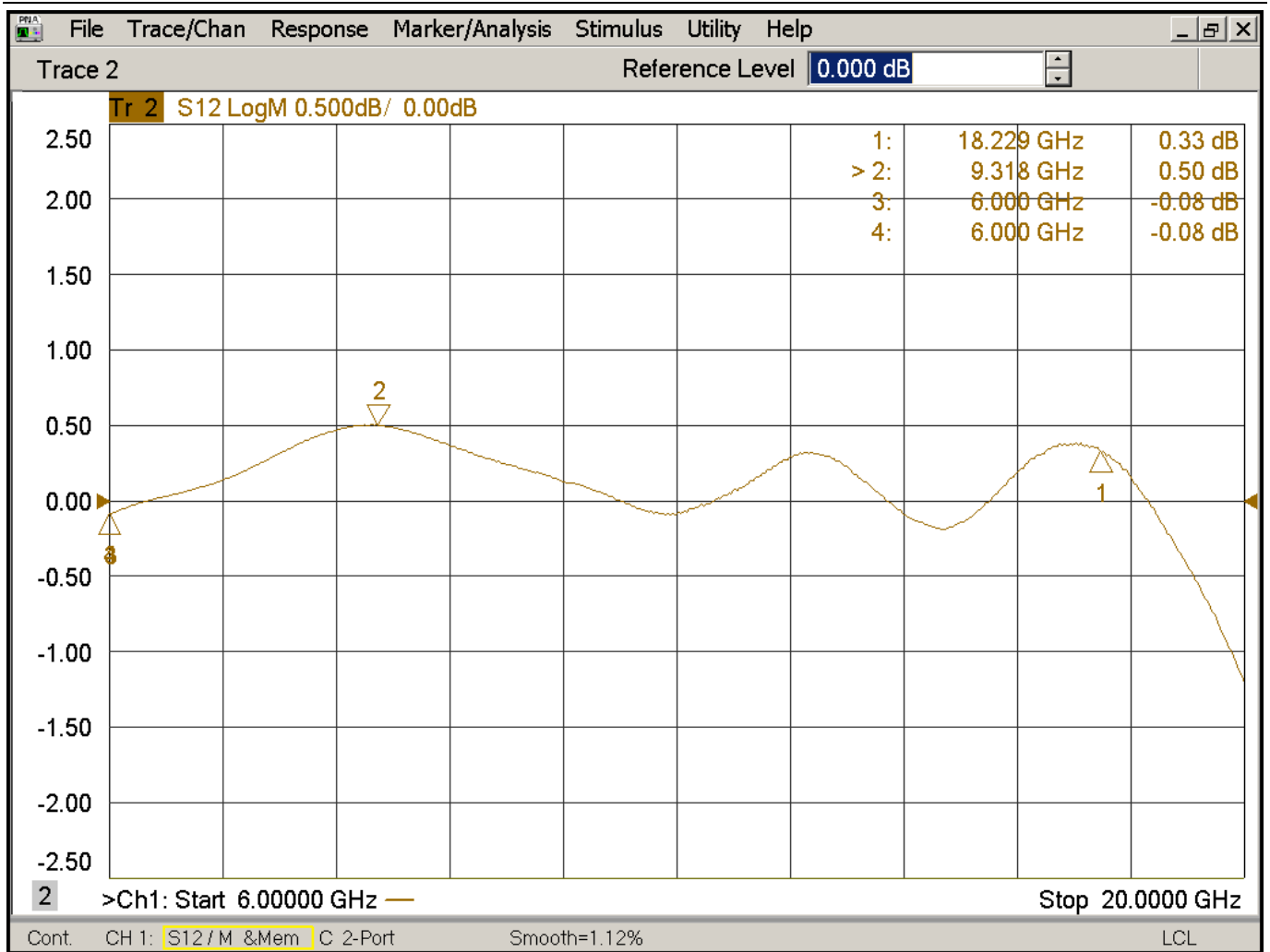
电话: 028-65199117 传真: 028-65199116

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



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

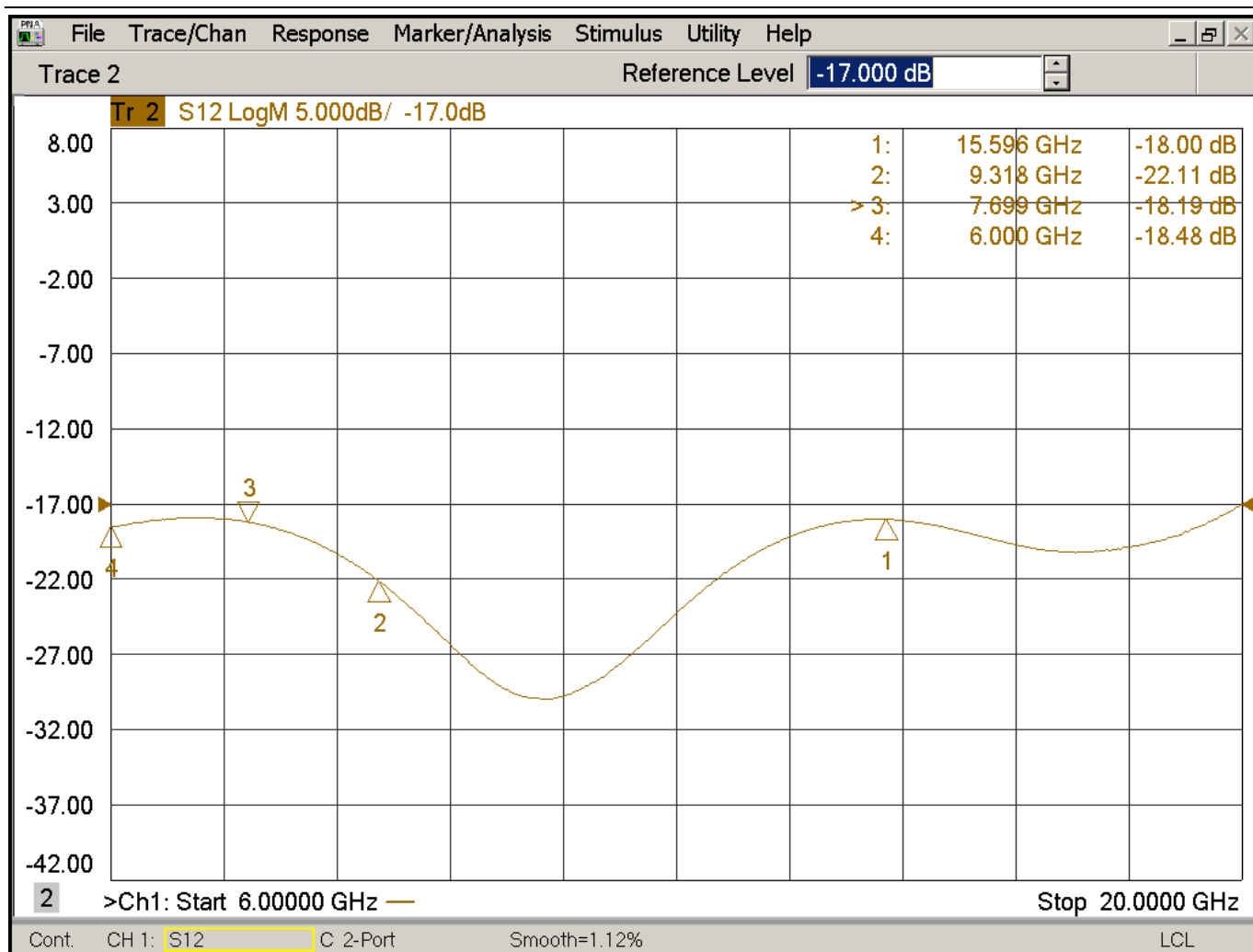
电话: 028-65199117 传真: 028-65199116

<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



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

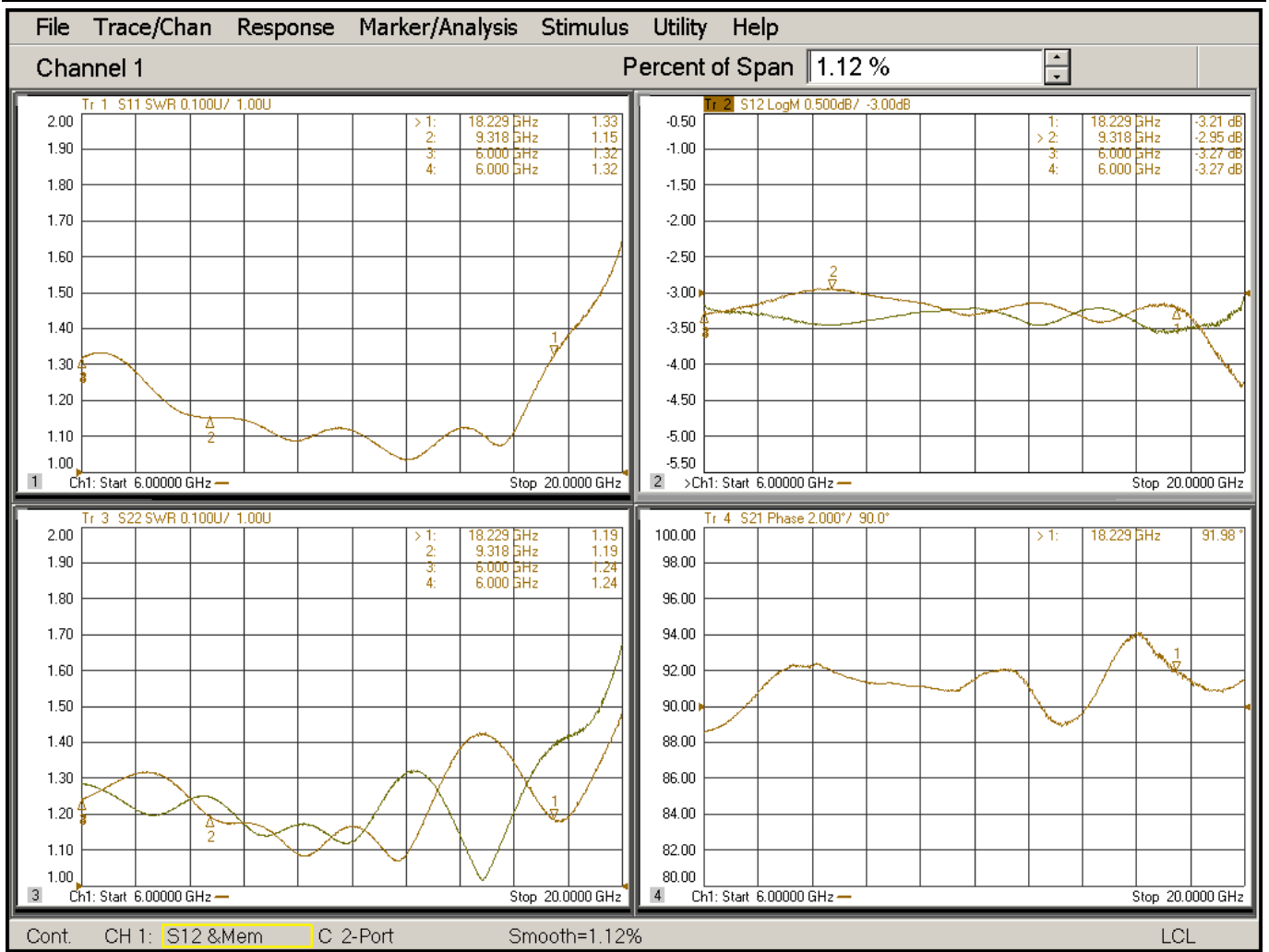
电话: 028-65199117 传真: 028-65199116

<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



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