

Product: 3.5-4.2Ghz 16 Way power divider

Part Number: LPD-3.5/4.2-16S



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	3.5	-	4.2	GHz
2	Insertion Loss	-	-	0.8	dB
3	Phase Balance:	-	-	±0.3	dB
4	Amplitude Balance	-	-	±5	dB
5	Isolation			18	dB
6	VSWR		-	1.5(IN) 1.3(OUT)	-
7	Power			100	W cw
8	Operating Temperature Range	-40	-	+85	°C
9	Impedance	-	50	-	Ω
10	Connector	SMA-F			
11	Preferred finish	Yellow conductive oxidation			

Remarks:

1. Not include Theoretical loss 12 db 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 11 msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	ternary alloy three-part alloy
Female Contact:	gold plated beryllium brass
Rohs	compliant

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

Weight	0.5kg
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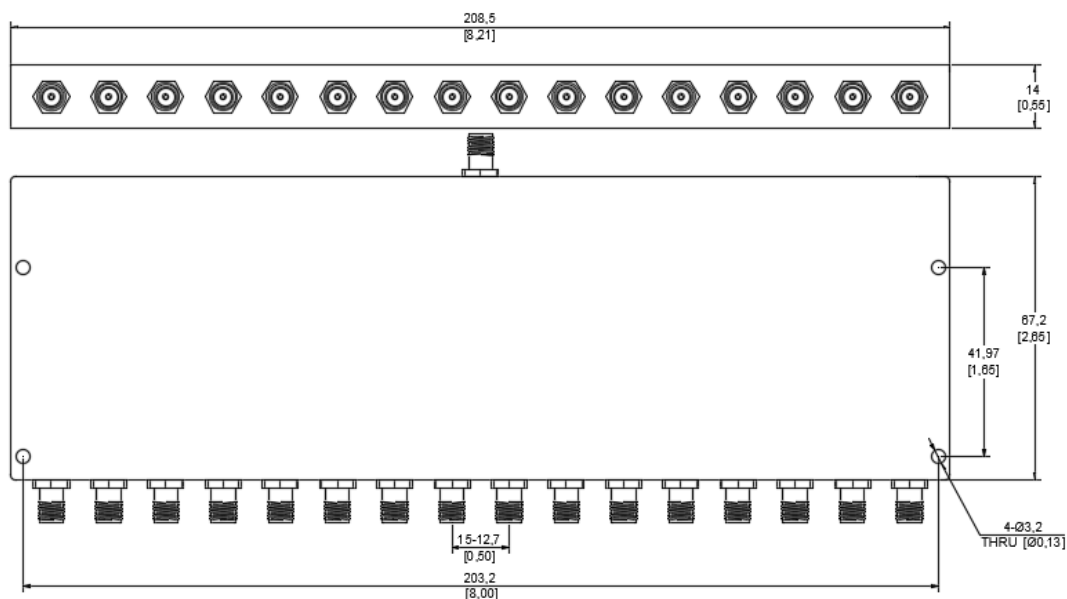
Outline Drawing:

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

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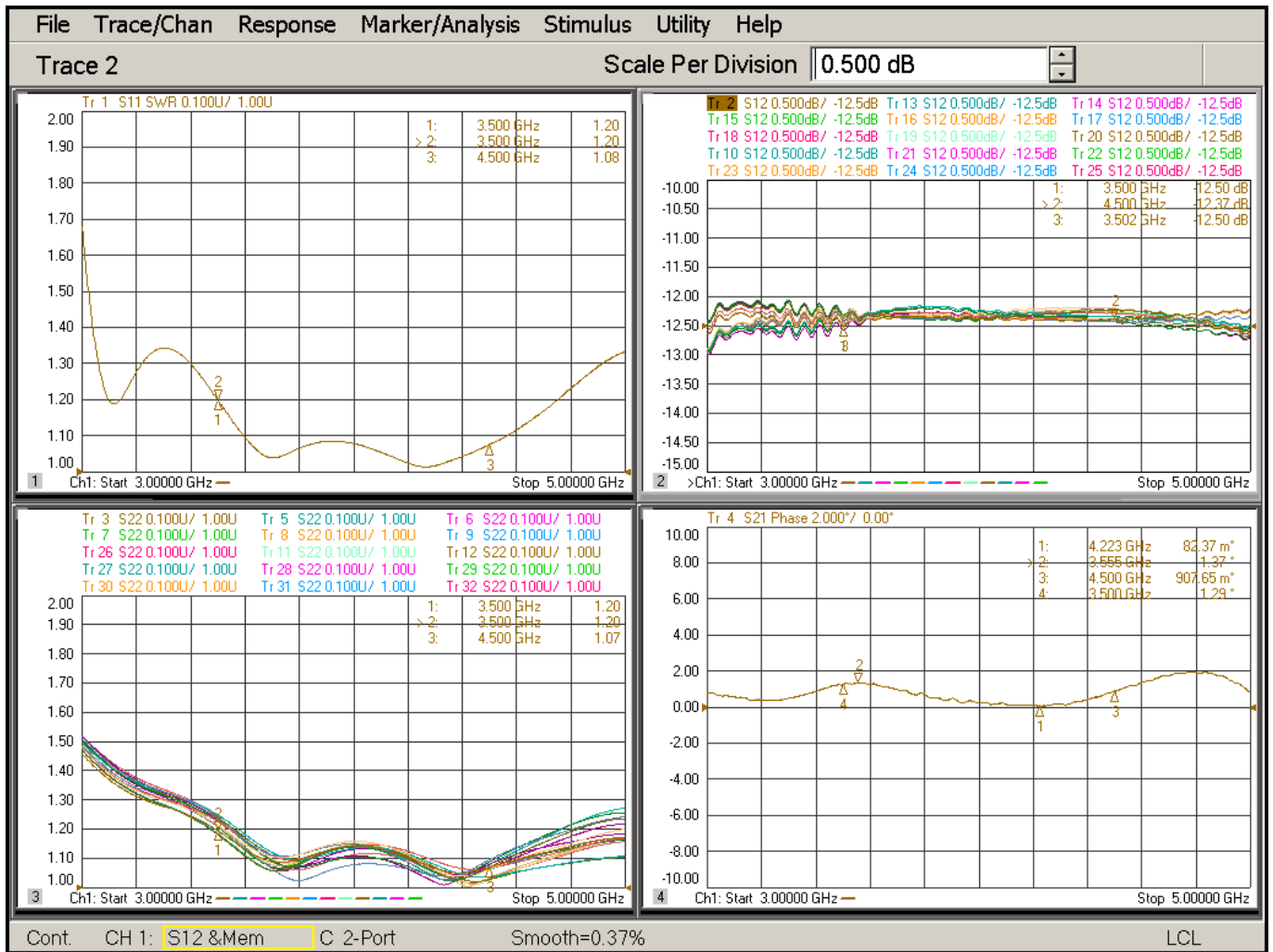
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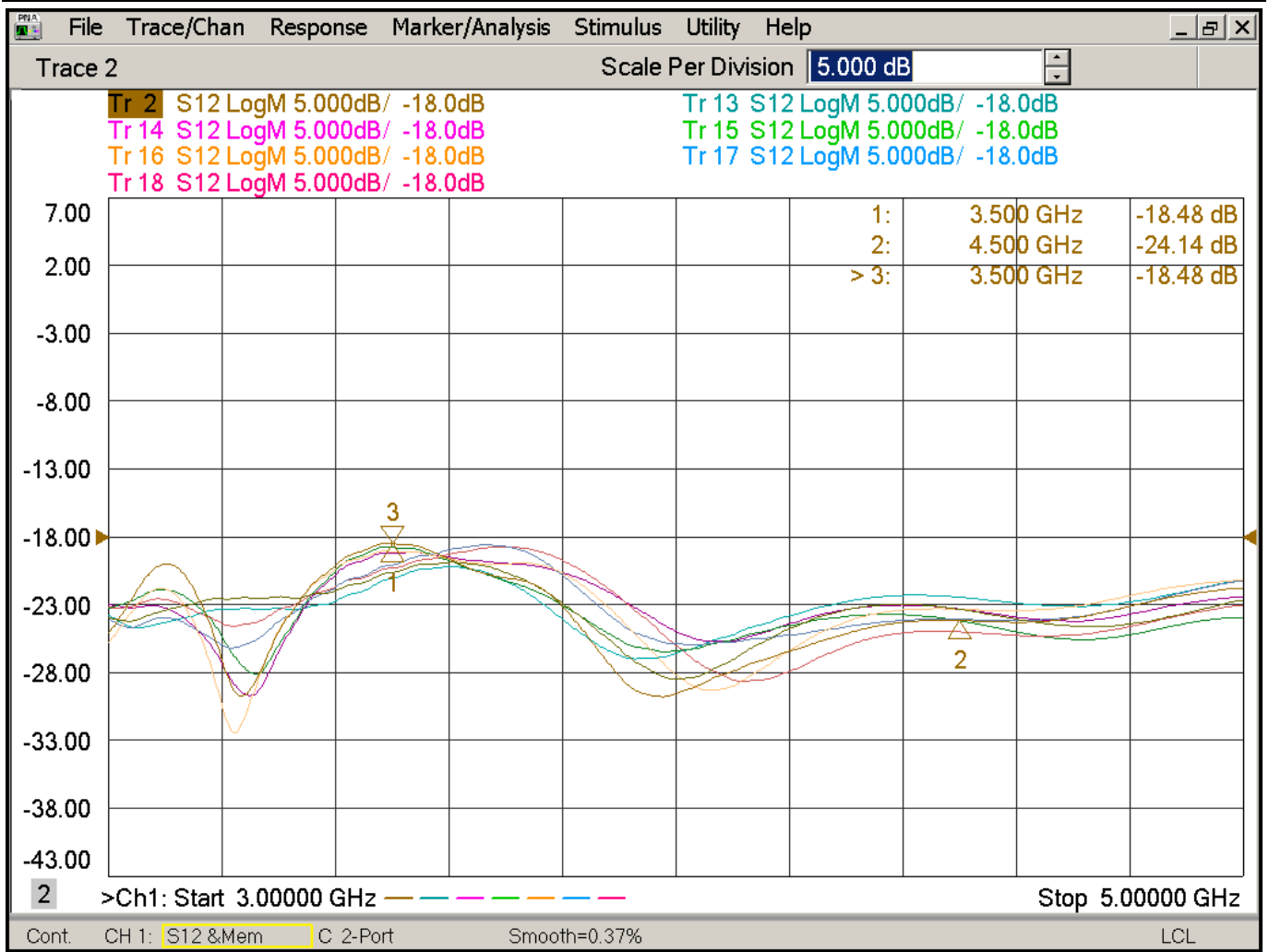
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