



RF-LAMBDA

The power beyond expectations

RFHB02G40GVK

50W 2.0-40GHz 90° Hybrid Coupler

Features:

Connector Type: 2.92mm female
Frequency range 2-40GHz;
90°bridge/hybrid is strip line structure
low insertion loss and high isolation.
excellent amplitude and phase accuracy,
high power handling in operation.
It's mainly applied for Electronic
Countermeasure, Radar and used to Power
Combination, Signal Position Tracking, Mono pulse
Radar and Antenna Feed system etc.

Customization available upon request



No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	2		40	GHz
2	Amplitude Balance			±1.5	dB
3	Phase Balance			±12	°
4	VSWR			1.9	
5	Insertion Loss			2.2	dB
6	Isolation	11	13		dB
7	Average Power			20	W cw
8	Operating Temperature	-55		+85	°C
9	Impedance		50		Ω
10	ROHS Compliance	yes			
11	Finish	Gray Paint			

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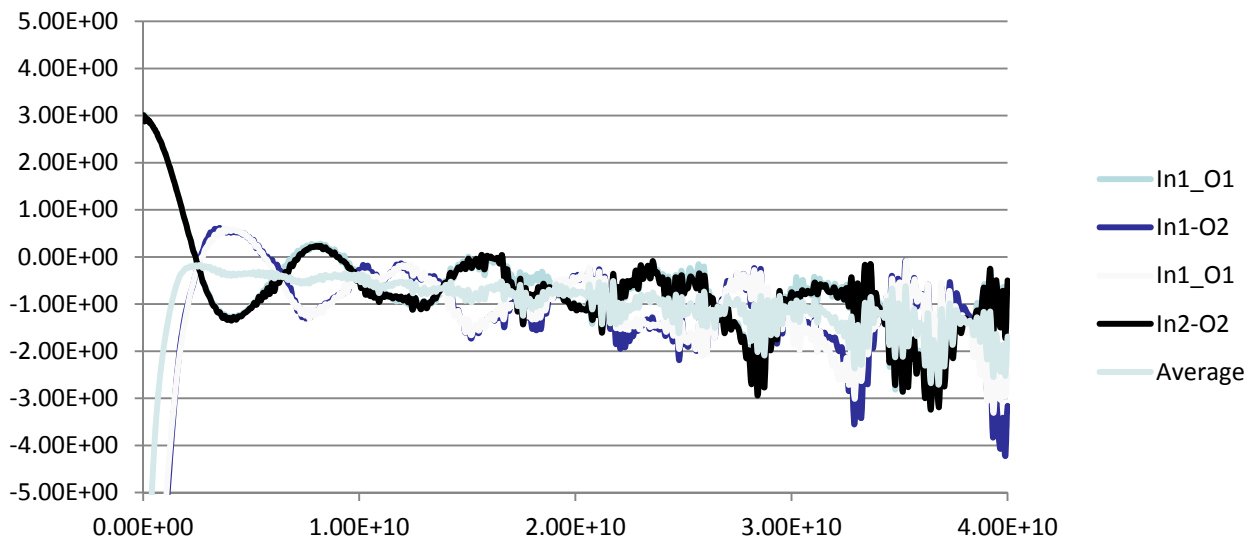
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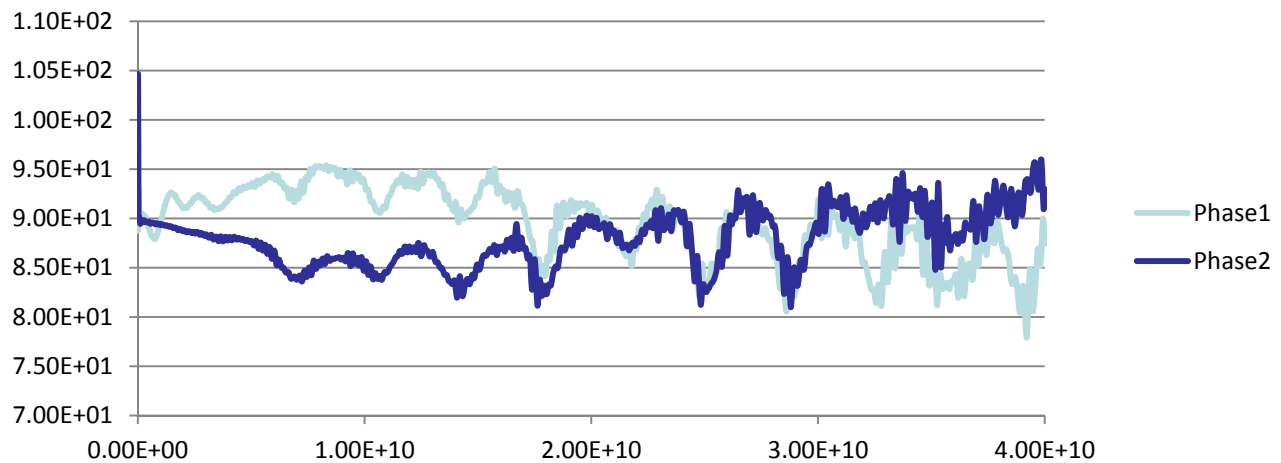
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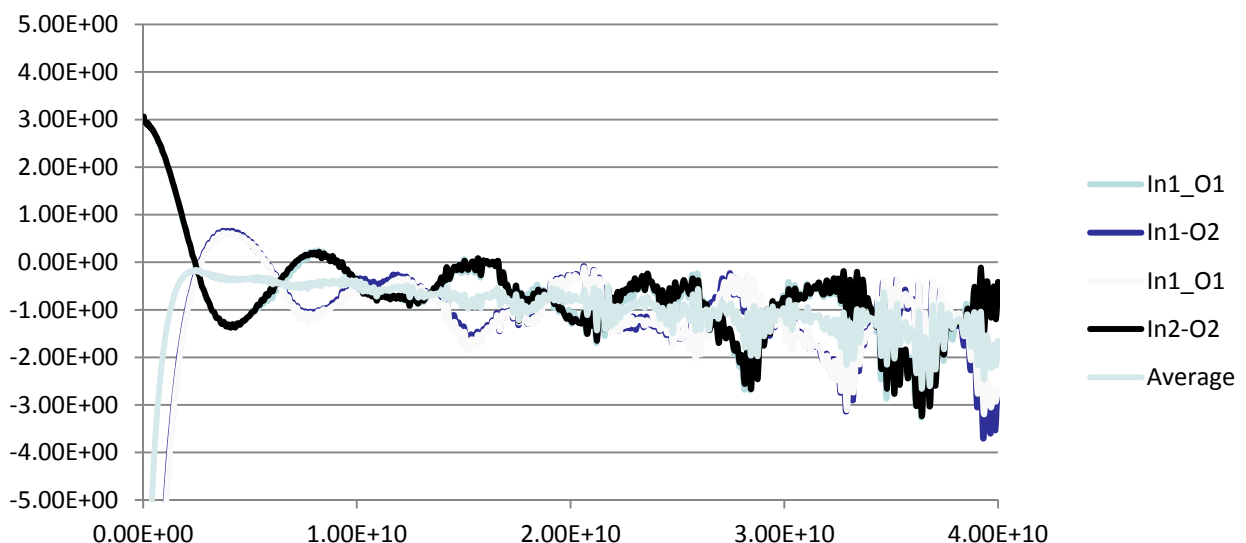
Insertion Loss S/N 286



Relative Phase S/N 286



Insertion Loss S/N 288





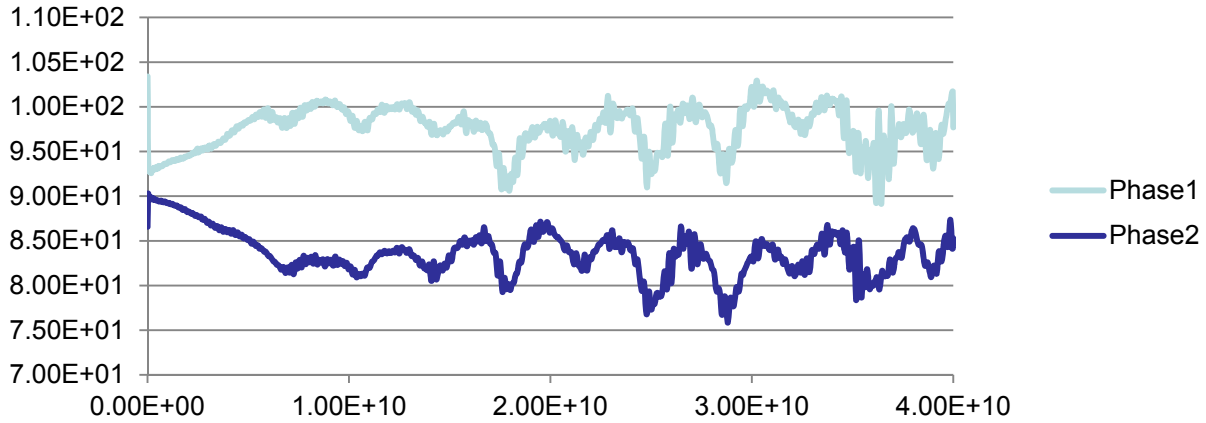
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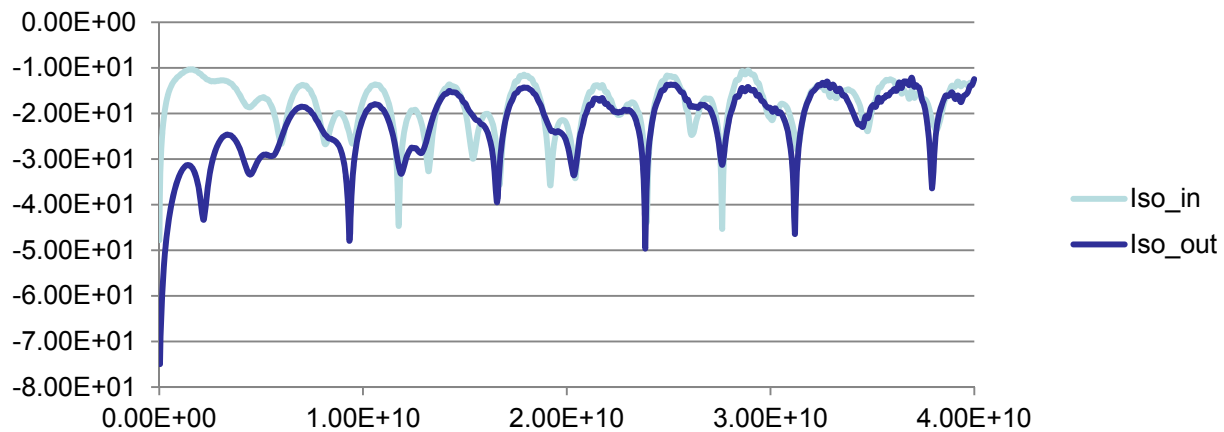
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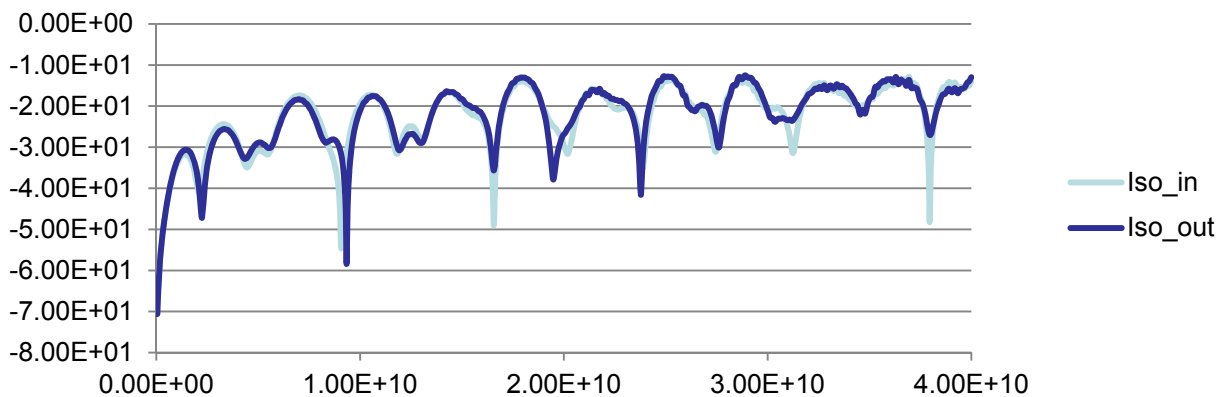
Relative Phase S/N 288



Isolation S/N 286



Isolation S/N 288



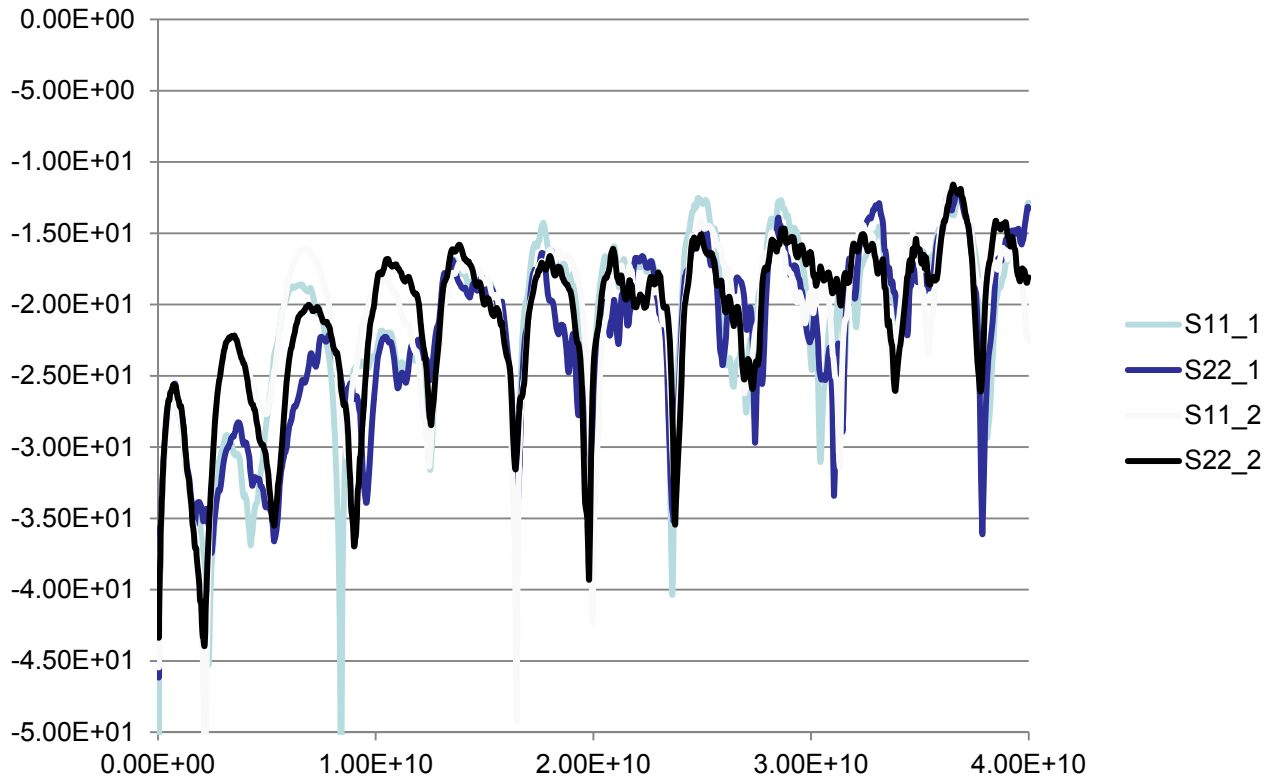


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Return Loss



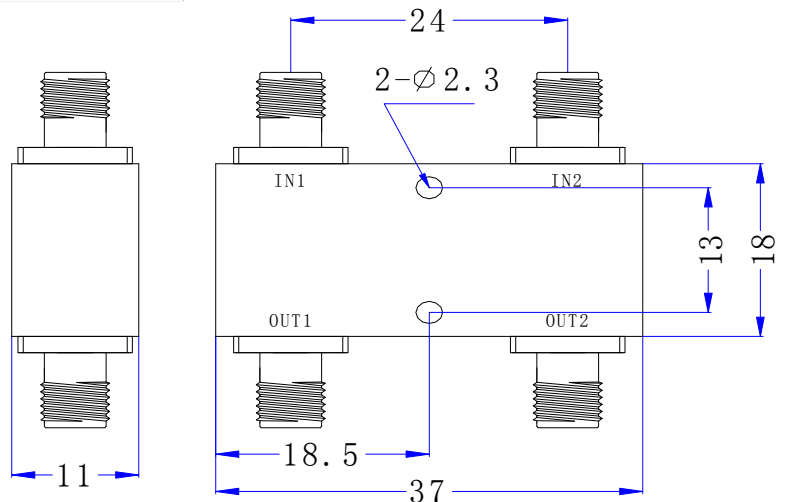
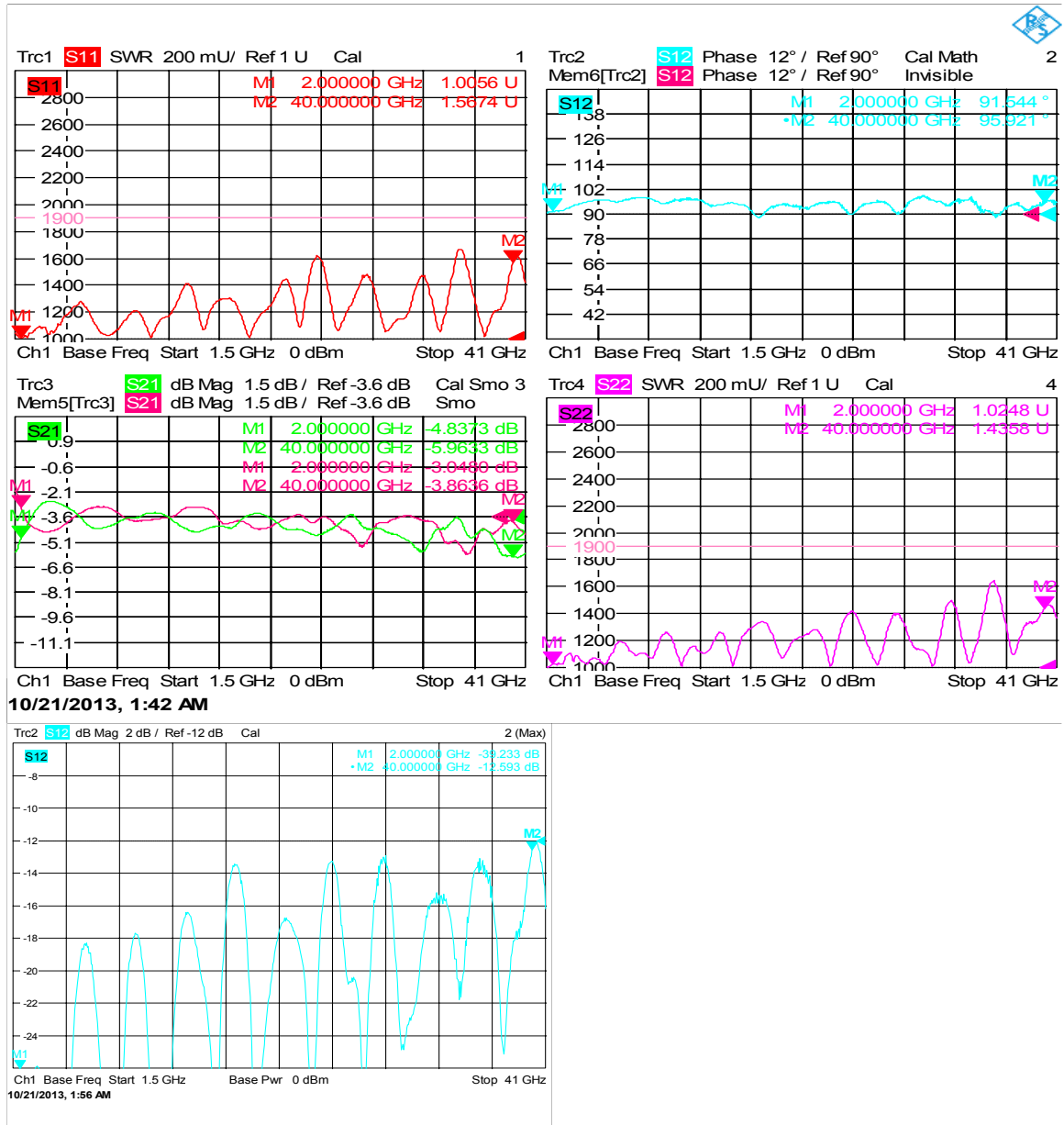
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