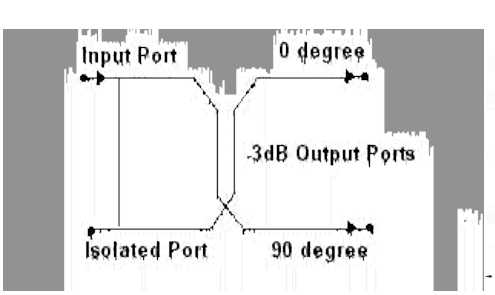
94 JACKSON ROAD, SUITE 110, DEVENS, MA 01434 USA

Quadrature Hybrid

Model RMHY3.420.Nf 3dB Quadrature Hybrid - N female



Electrical Specifications:

Frequency (MHz)	Coupling (dB)	Unbalance (dB)	Insertion Loss (dB max)	Isolation (dBmin)	VSWR (max)	Power
210-420	3	+/-0.5	0.3	15	1.5:1	1000W CW

Mechanical Specifications:
(See Outline Drawing 100XX for details)

Length (inches)	Width (inches)	Height (inches)	Connector Centerlines (inches)
6.850	1.750	0.925	6.086

Notes:

a. Input and output impedance: 50 Ohms
b. Connector: N female (4) places
c. Insertion loss is the actual dissipated and reflected loss and does not include coupling loss
d. Unbalance is the maximum in-band coupling loss variation
e. Case material: Aluminum alloy with irridite plating, logo/date code on label
f. Operation temperature: -35C to +80C deg

All specifications are subject to change without notice.

Telephone: 978-772-3767 **Fax: 978-772-3768**
www.responsemicrowave.com

Rev 04/04/12

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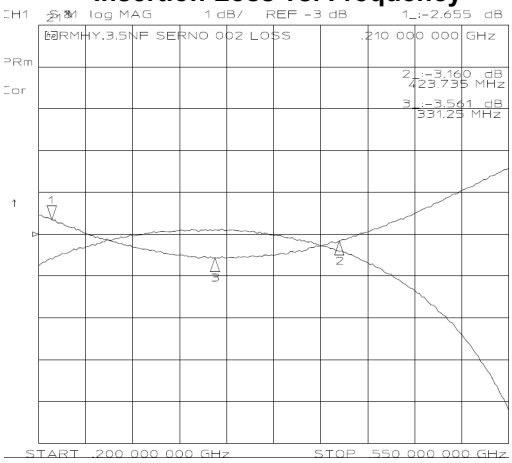
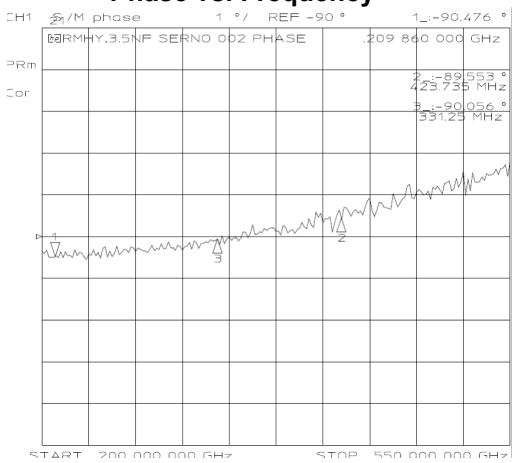
Typical Test Data
RMHY.3.42.Nf

Insertion Loss vs. Frequency



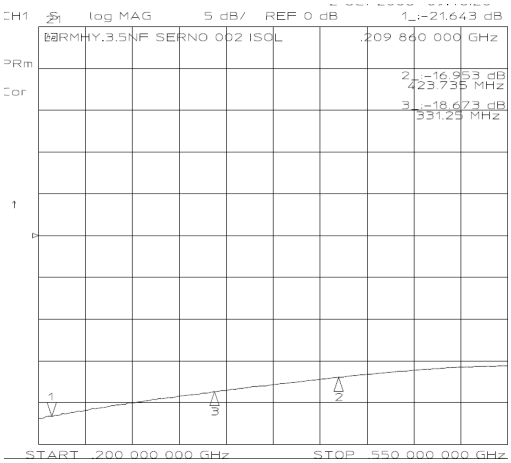
Loss from Input to Both Output Ports
Center of screen is -3.0 dB
Scale = 1 dB/Div

Phase vs. Frequency



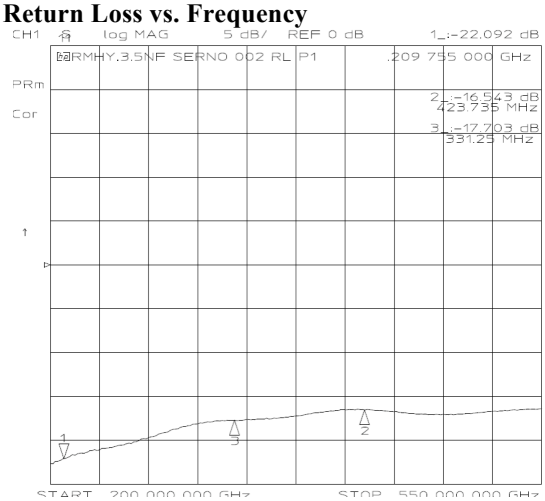
Relative Phase relationship from 0 Deg output 90 Deg Output
Screen Center -90 Geg Scale 1 Deg /Div

Isolation vs. Frequency



Isolation from Input to Term Port
Center of the screen is 0 dB
Scale = 5 dB/Div

Return Loss vs. Frequency



Return Loss vs Frequency
Center of the screen is 0 dB
Scale = 5 dB/Div

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