

# “High Frequency Ceramic Solutions”

## 890 MHz Filtered Directional Coupler

P/N 0898CF15A035

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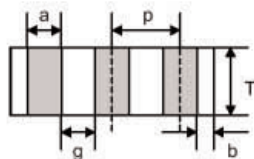
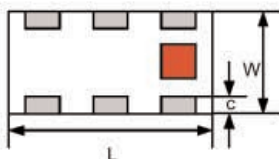
Revised 09/17/01

Part Number	Frequency (MHz)	Insertion Loss	Return Loss	Attenuation (min.)		Coupling	Isolation
				2 x Fo	3 x Fo		
0898CF15A035_	880 - 915	0.7 dB max	14 dB min.	22 dB	17 dB	20 ± 1.0 dB	25.0 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	4000

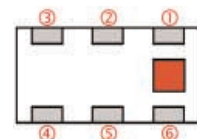
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049 ± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 + .004/- .008	0.014 ± .004	0.026 ± .002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30+0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05



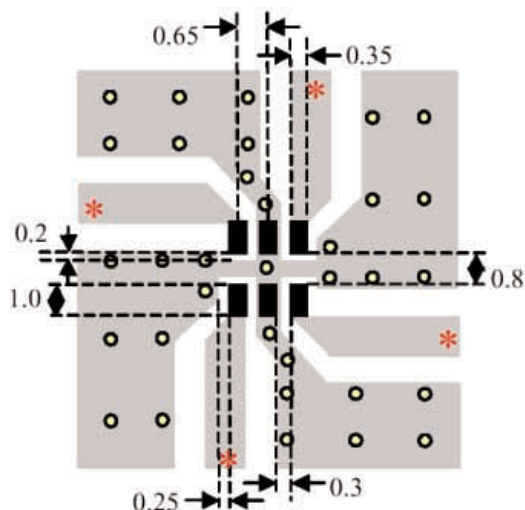
### Terminal Configuration




1	IN	4	Termination
2	GND	5	GND
3	Main Out	6	Coupled Out



### Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50Ω impedance matching characteristics.



-  Solder Resist
-  Land
-  Through-hole ( $\phi$  0.3)

*Johanson Technology, Inc. reserves the right to make design changes without notice.  
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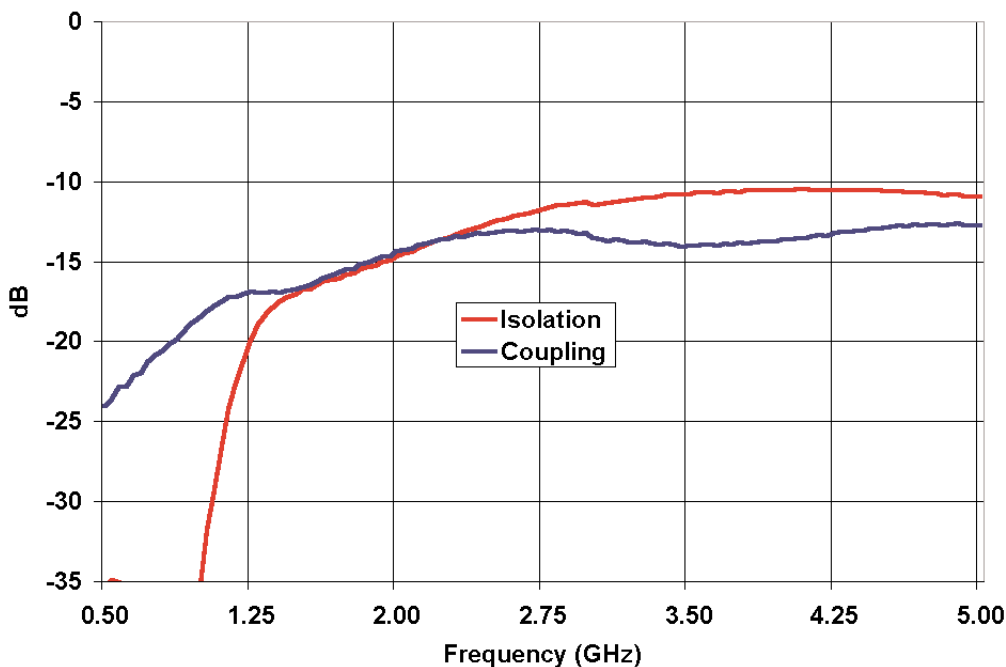
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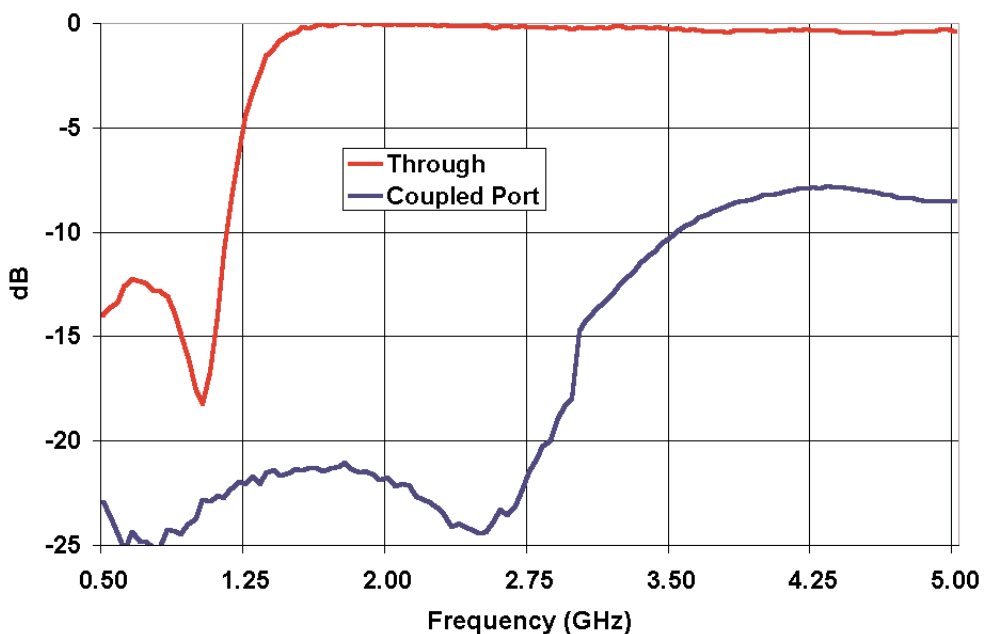
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### P/N 0898CF15A035 Filtered Coupler Typical Coupling & Isolation



### P/N 0898CF15A035 Filtered Coupler Return Loss



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P/N 0898CF15A035 Filtered Coupler  
Typical Insertion Loss (Dual Scale)

