

High Frequency Ceramic Solutions

898 MHz Directional Coupler/ Low Pass Filter Combination

P/N 0898CF15A035

Detail Specification: 01/09/09

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General Specifications

Part Number	0898CF15A035
Frequency (MHz)	880 - 915
Insertion Loss	0.7 dB max.
Return Loss	14 dB min.
Attenuation (min.)	22 dB @ 2 x Fo
Attenuation (min.)	17 dB @ 3 x Fo
Coupling	20 ± 1 dB

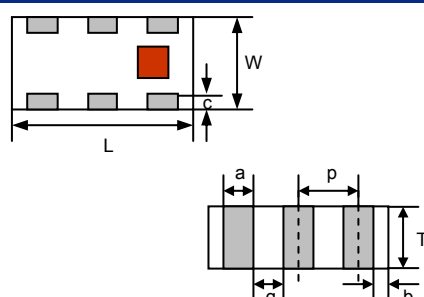
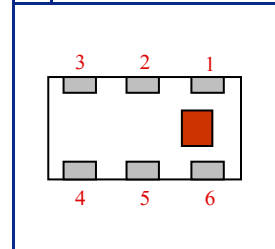
Isolation	25 dB min.
Impedance	50 Ω
Power Capacity	2 Watts max.
Reel Quantity	4,000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity: 45~75%RH, 12 mos. Max

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 0898CF15A035S
		T & R	Suffix = E	Eg. 0898CF15A035E
	Termination Style	100% Tin	Suffix = None	Eg. 0898CF15A035(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 0898CF15A035(E or S)/Pb

Terminal Configuration	
No.	Function
1	IN
2	GND
3	Main Out
4	Termination
5	GND
6	Coupled Out

Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

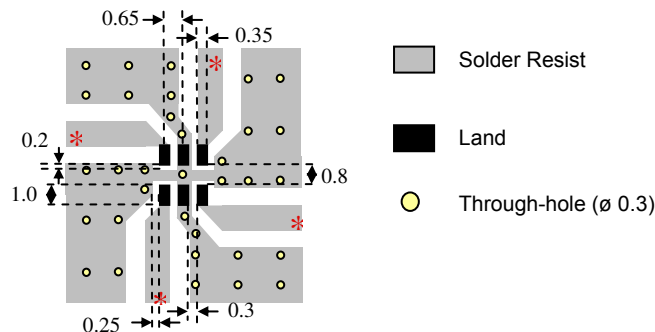



Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

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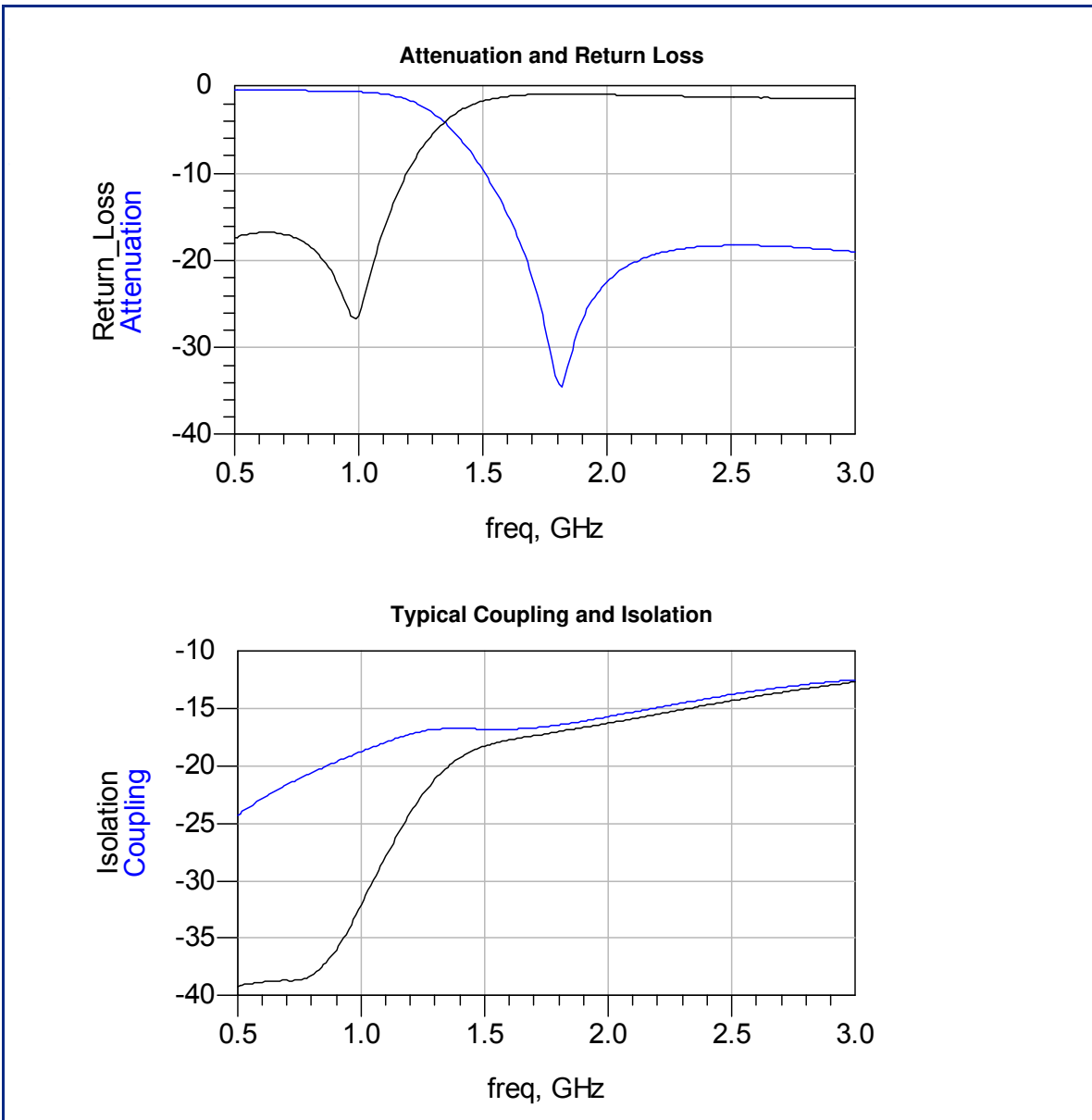
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Typical Electrical Performance (T=25°C)



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