

# "High Frequency Ceramic Solutions"

## 910 MHz Directional Coupler/ Low Pass Filter Combination

P/N 0910CF15B0100

Detail Specification: 10/13/08

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### General Specifications

Part Number	0910CF15B0100
Frequency (MHz)	860 - 960
Attenuation (min.)	27 dB @ 2 x Fo
Attenuation (min.)	30 dB @ 3 x Fo
Attenuation (min.)	30 dB @ 4 x Fo
Attenuation (min.)	30 dB @ 5 x Fo
Insertion Loss	1.2 dB max.

Return Loss	20 dB min.
Coupling	10 ± 1 dB
Isolation	30 dB min.
Impedance	50 Ω
Operating and Storage Temp	-40 to +85°C
Reel Quantity	4,000

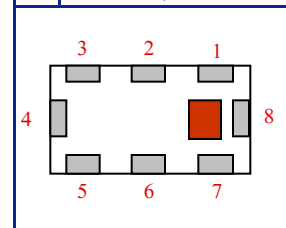
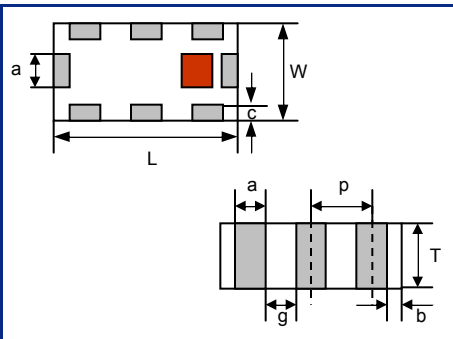
P/N	Packaging Style	Bulk	Suffix = S	Eg. 0910CF15B0100S
		T & R	Suffix = E	Eg. 0910CF15B0100E
Suffix	Termination	100% Tin	Suffix = None	Eg. 0910CF15B0100(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 0910CF15B0100(E or S)/Pb

### Terminal Configuration

No.	Function
1	Termination
2	GND
3	GND
4	Input
5	Coupled Out
6	GND
7	GND
8	Output

### Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.027 ± 0.004	0.70 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-.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

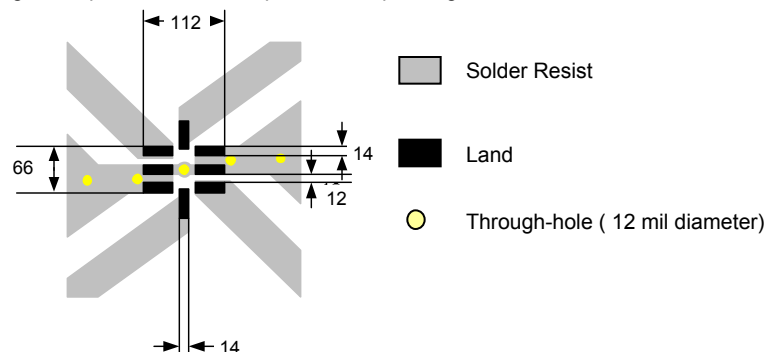


### Mounting Considerations

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: mils



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

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[www.johansontechnology.com](http://www.johansontechnology.com)

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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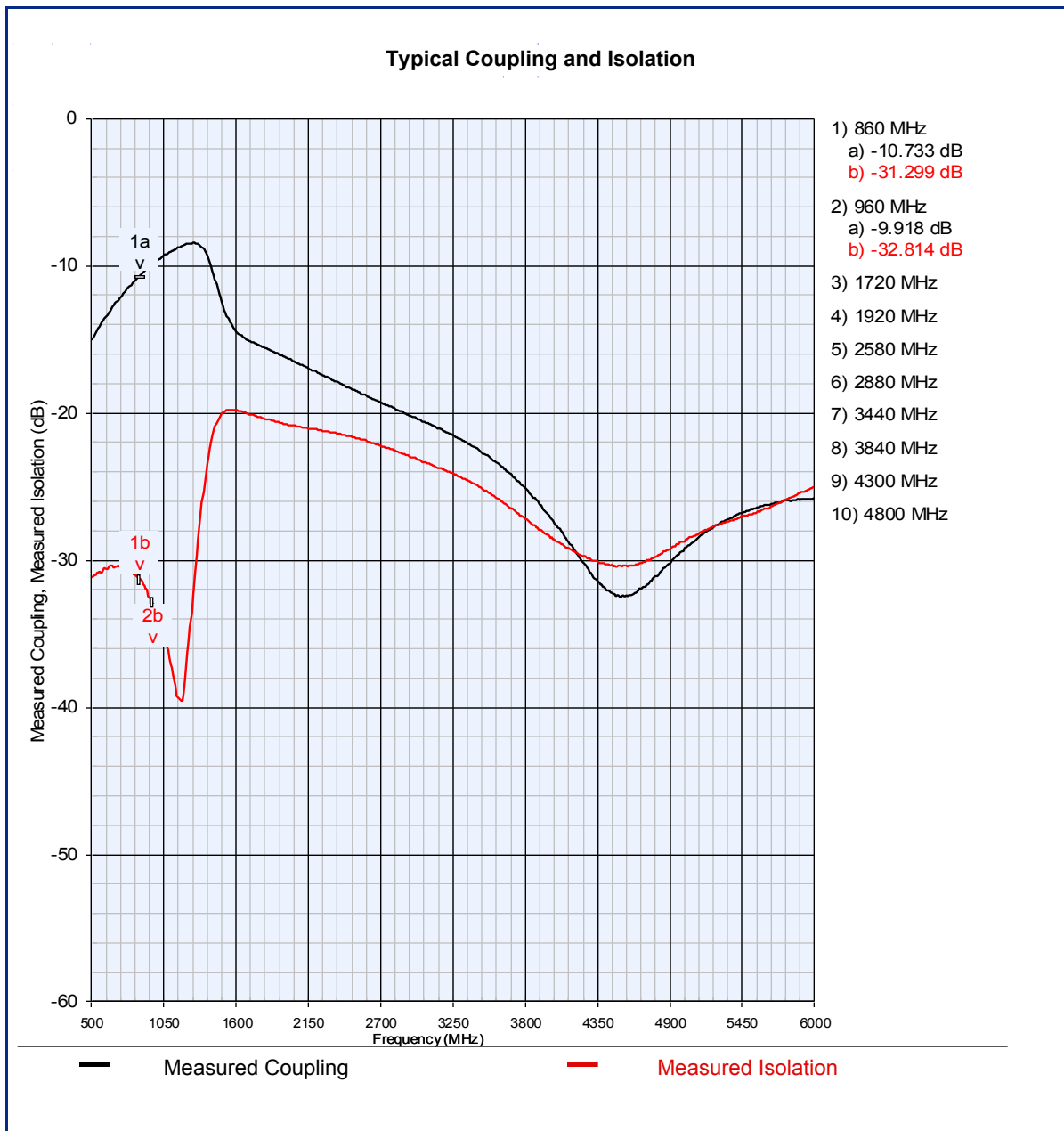
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## Typical Electrical Performance (T=25°C)



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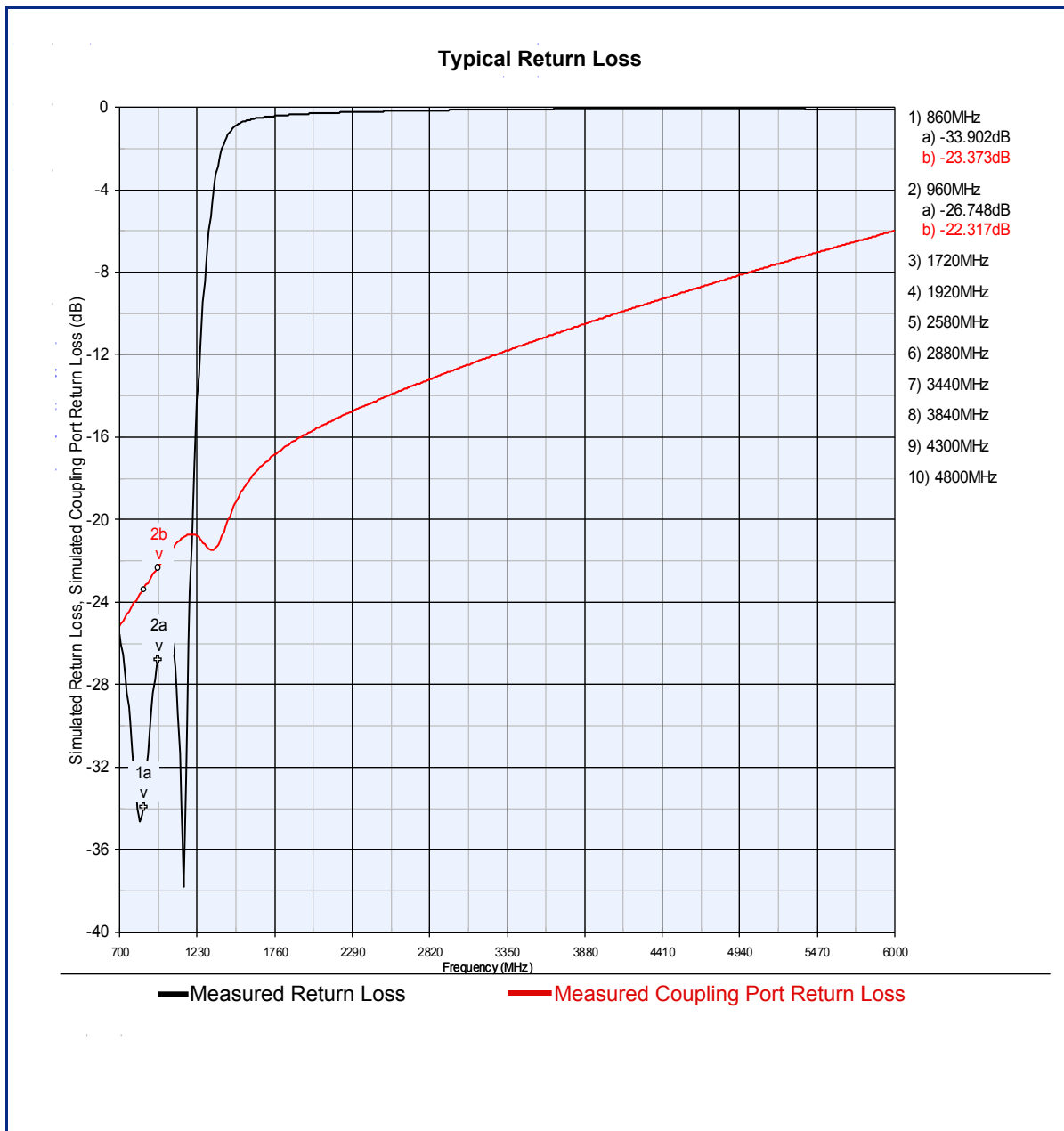
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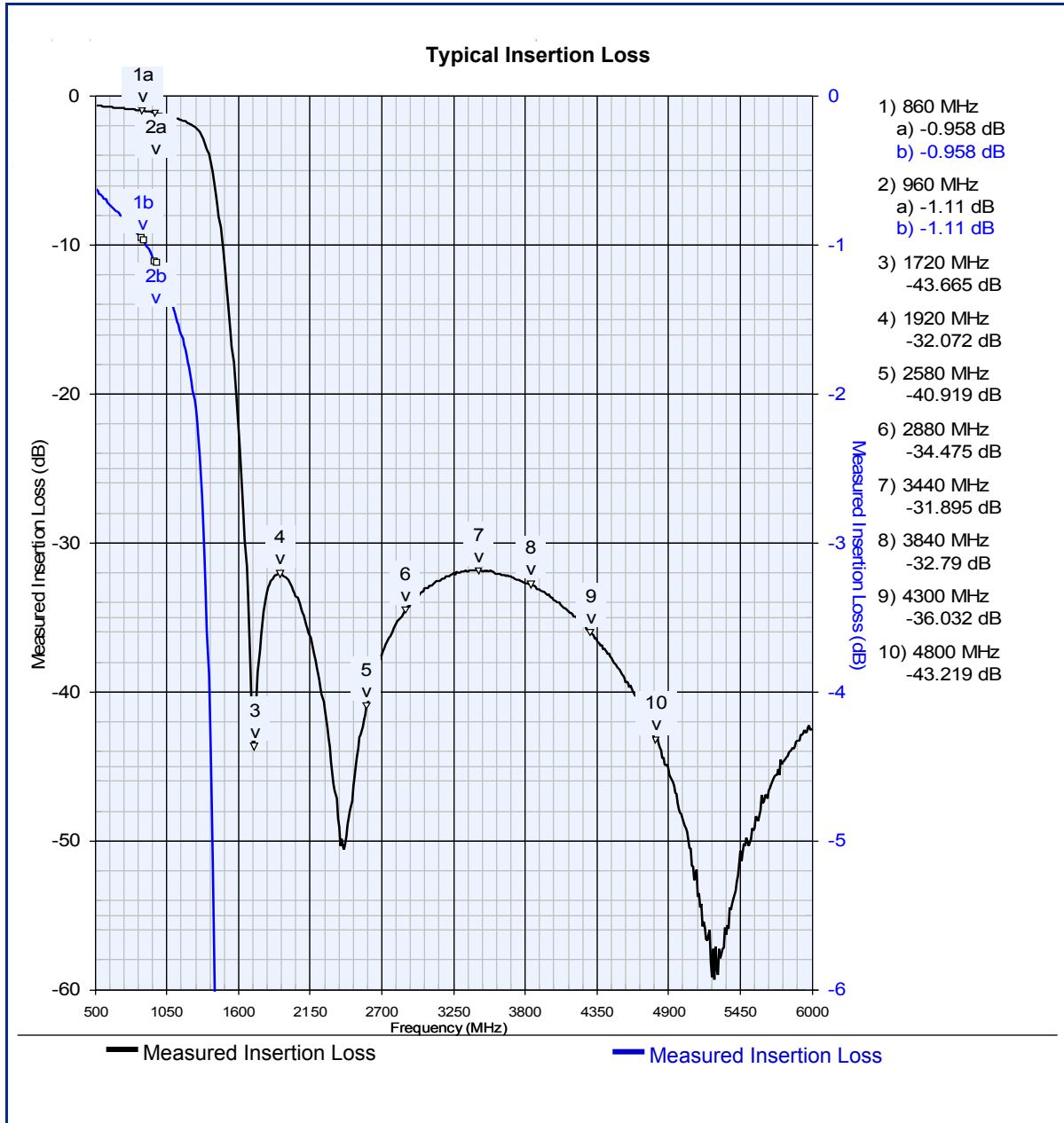
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