

"High Frequency Ceramic Solutions"

898 MHz Mini Directional Coupler

P/N 0898CP14C0035

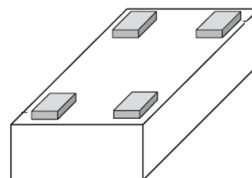
Detail Specification: 3/31/2016

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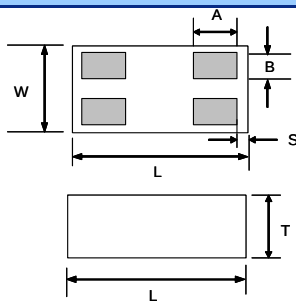
General Specifications

Part Number	0898CP14C0035		
Freq. Range (MHz)	880 ~ 915		
Insertion Loss (dB)	0.35 max.		
Return Loss (dB)	18.0 min.		
Coupling (dB)	17.0 ± 1.0		
Isolation (dB)	30.0 min.		
Storage Conditions	+5 ~ +35°C, Humidity 45~75%	Power Capacity	2W max.
Storage Period	18 months max.	Operating Temp Range	-40 to +85°C
		Quantity/Reel	4000



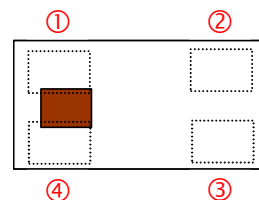
Mechanical Dimensions

	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.033 ± 0.004	0.84 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
A	0.010 ± 0.002	0.25 ± 0.05
B	0.008 ± 0.002	0.20 ± 0.05
S	0.002 ± 0.002	0.05 ± 0.05



Terminal Configuration

1	IN	3	Terminated
2	OUT	4	COUPLED OUT



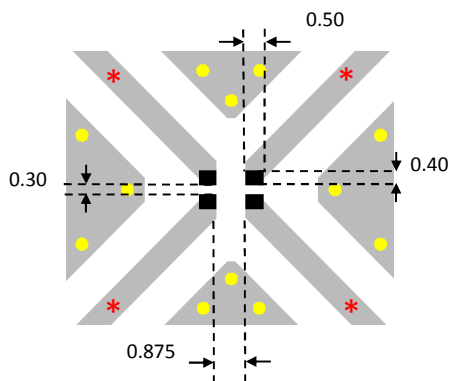
Always mount this component with red mark facing up. It will not function properly if flipped upside down.

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	e.g.. 0898CP14C0035S
		T & R	Suffix = E	e.g.. 0898CP14C0035T
	Termination style	100% Tin	Suffix = None	e.g.. 0898CP14C0035(T or S)
	Evaluation Board	0898CP14C0035-EB1SMA		

Mounting Considerations

Units in mm



- Solder Resist
- Land
- Through-hole (φ0.3)

* Line width should be designed to match a 50Ω characteristic impedance (preferably Grounded CPW), depending on PCB material and thickness.

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Need the layout file of the above? Send us a message at: <http://www.johansontechnology.com/ask-a-question>



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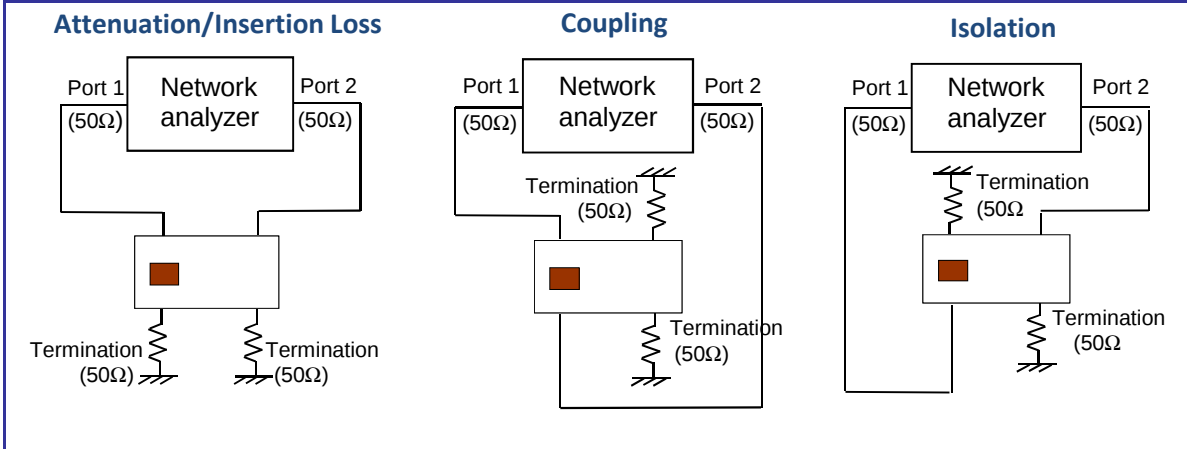
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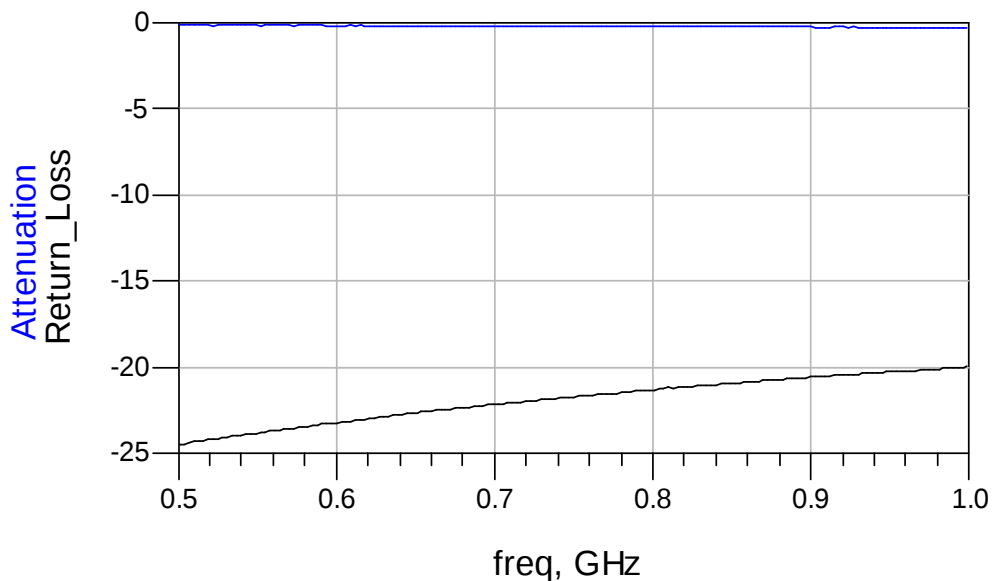
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Measurement Diagram and Setup



Typical Electrical Characteristics (T=25 °C)

Insertion Loss & Return Loss



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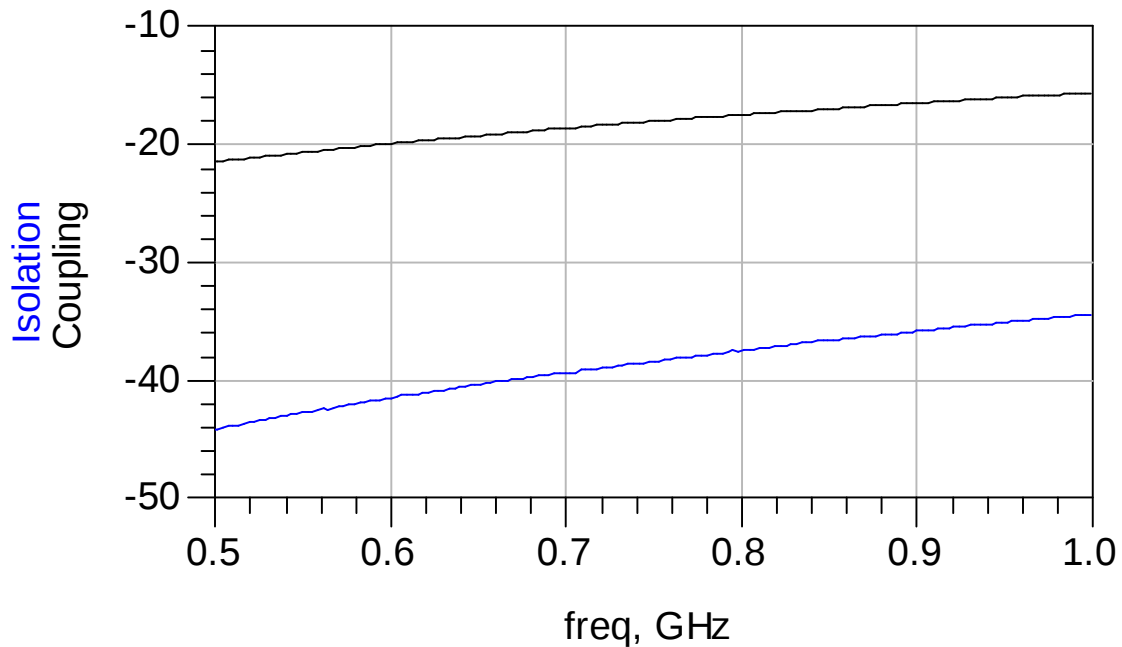
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Typical Electrical Characteristics (T=25 °C)

Coupling & Isolation



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