



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

898 MHz Mini Directional Coupler

P/N 0898CP14C0035

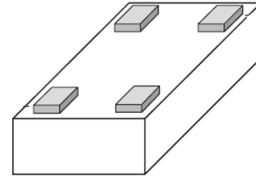
Detail Specification: 3/31/2016

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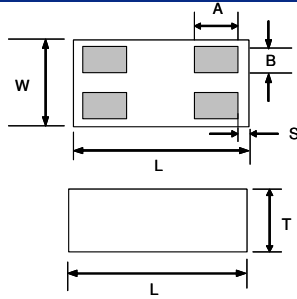
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General Specifications	
Part Number	0898CP14C0035
Freq. Range (MHz)	880 ~ 915
Insertion Loss (dB)	0.35 max.
Return Loss (dB)	18.0 min.
Coupling (dB)	17.0 ± 1.0
Isolation (dB)	30.0 min.
Storage Conditions	+5 ~ +35°C, Humidity 45~75%
Storage Period	18 months max.

Power Capacity	2W 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 ($\phi 0.3$)

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

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

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



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Ver. 1.0

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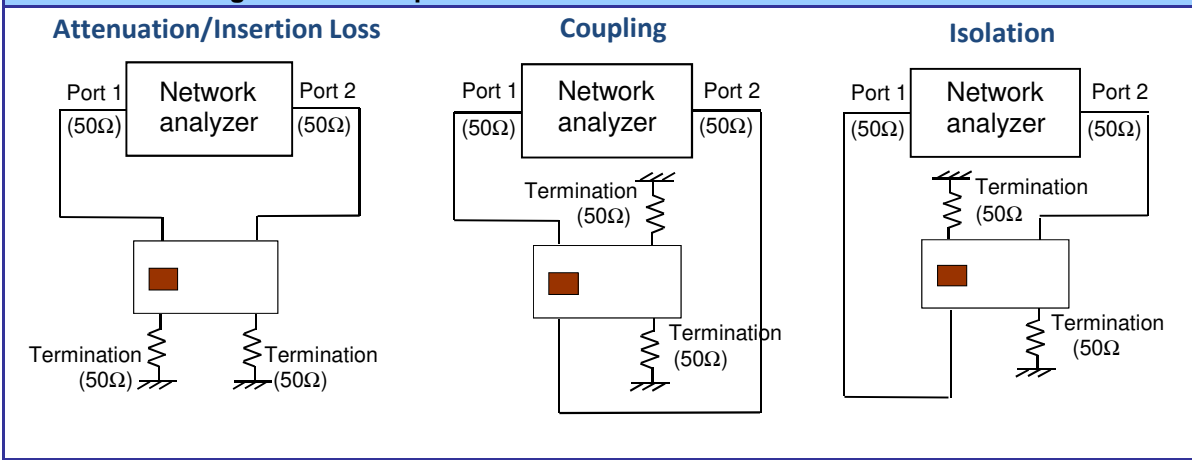
898 MHz Mini Directional Coupler

P/N 0898CP14C0035

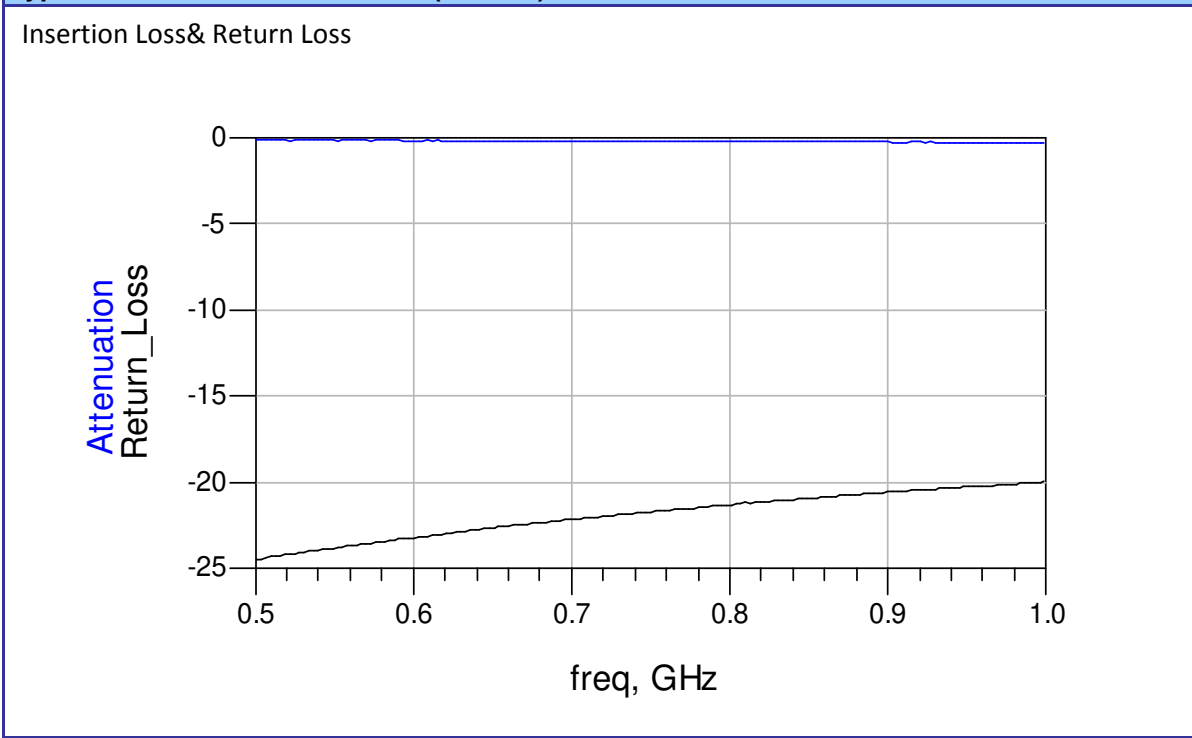
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Measurement Diagram and Setup



Typical Electrical Characteristics (T=25 °C)



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898 MHz Mini Directional Coupler

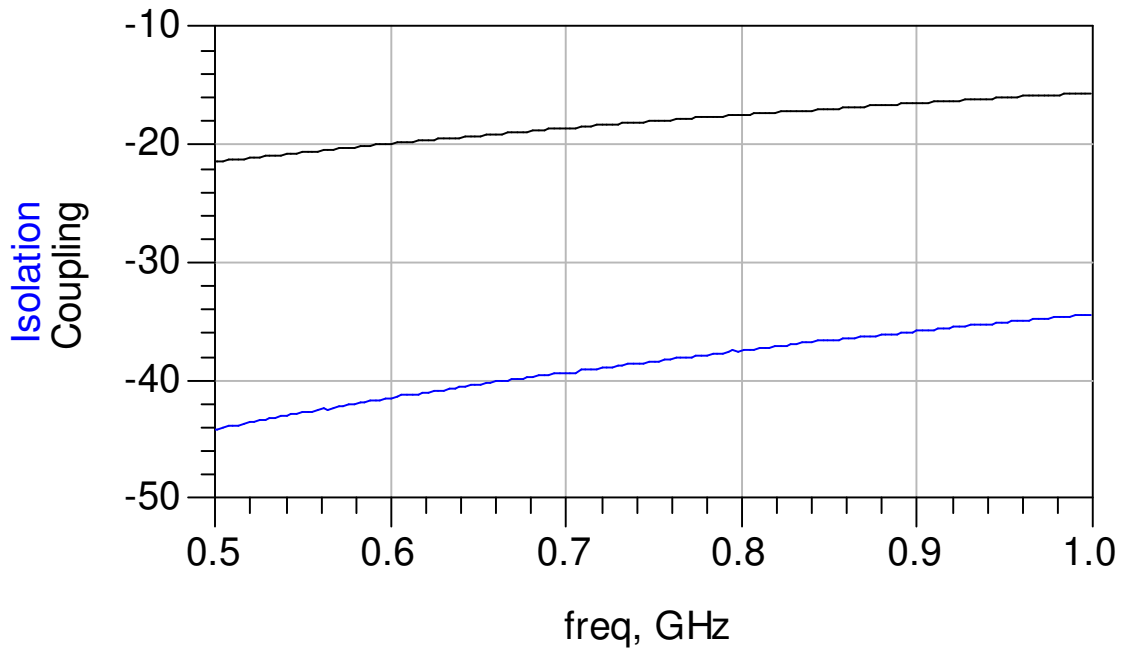
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Typical Electrical Characteristics (T=25 °C)

Coupling & Isolation



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