



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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"High Frequency Ceramic Solutions"

868/915 MHz Impedance Matched/Balun/LPF Integrated Component for T.I. CC110X, P/N 0896BM15A0001
 CC111X, CC113X and CC115X, CC110L, CC113L, CC115L, CC430 and RF430

Detail Specification: 7/8/2014

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General Specifications			
Part Number	0896BM15A0001	Return Loss	9.5 dB min.
Frequency (MHz)	863 - 928 Mhz	Phase Difference	180° ± 10
Unbalanced Impedance	50 Ω	Amplitude Difference	1.5 dB max.
Differential Balanced Impedance	Impedance-Matched to T.I. CC110X, CC111X, CC113X and CC115X, CC110L, CC113L, CC115L, CC430 and RF430 Chipsets	Operating Temperature	-40 to +125°C
		Power Rating	1W max. (CW)
Insertion Loss 1	1.5 dB max (-40C to +85C)	Reel Quantity	4,000
Insertion Loss 2	1.55 dB max (-40C to +125C)	Recommended Storage Conditions	+5 ~ +35 °C, Humidity 45~75%RH
Attenuation (min.)	25 min @ 1726 - 1856MHz	Storage Period	18 months max sealed. 1 week max after opened*
	35 min.@ 2589 - 2784MHz		
	35 min.@ 3452 - 3712MHz	Moisture Sensitivity Level	1
	35 min.@ 4315 - 4640MHz		

*For more info go to www.johansontechnology.com/silverleads

Part Number Explanation				
P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 0896BM15A0001S
		T & R	Suffix = E	eg. 0896BM15A0001E
	Termination style	AgPt	Suffix = None	eg. 0896BM15A0001(E or S)
	Evaluation Board	0896BM15A0001-EBSMA		

Mechanical Dimensions		
	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.028 ± 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/-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

Terminal Configuration	
No.	Function
1	Unbalanced Port
2	GND
3	Balanced Port
4	Balanced Port
5	GND
6	GND



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 Ver 2.2

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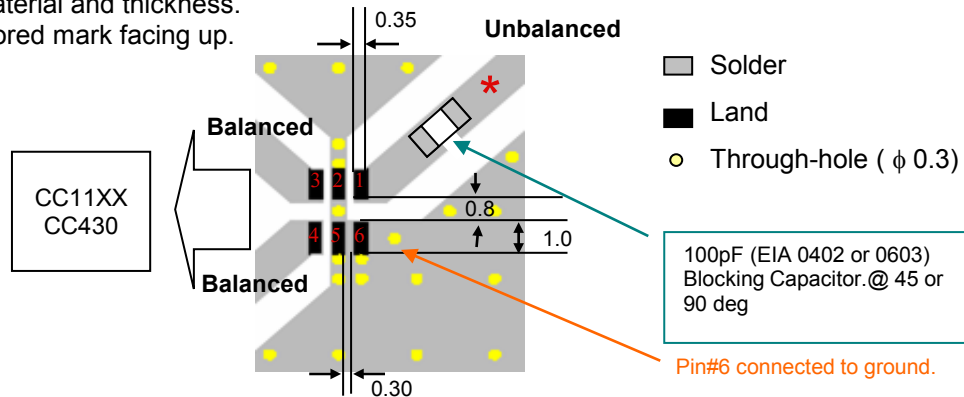
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Mounting Considerations

* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

Mount device with colored mark facing up.

Pin reference

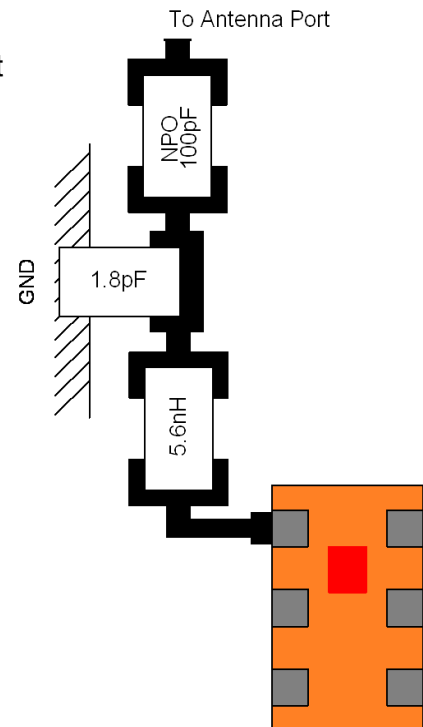


Units: mm

Additional output filtering may be required depending on output power in order to comply with FCC and/or ETSI regulations
Mount device with colored mark facing up.

To obtain application notes, information how to implement this component, or obtain gerber files, go to:
www.johansontechnology.com/ti
or contact our Apps Engineering Team at:
www.johansontechnology.com/component/techquestion/?Itemid=407

Component P/N:
5.6nH Inductor: L-07C5N6SV6T
1.8pF Capacitor: 500R07S1R8BV4T



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



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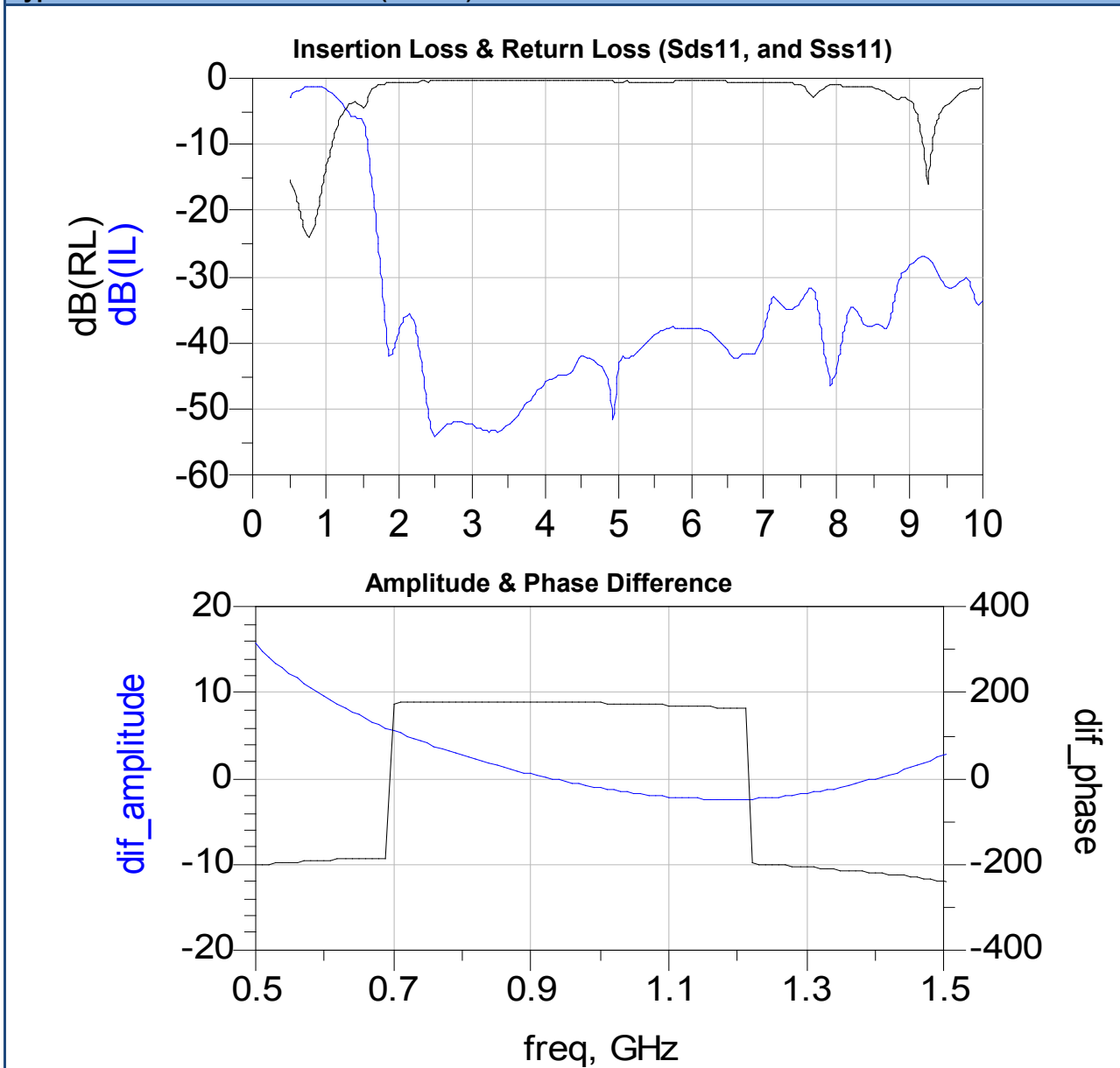
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Typical Electrical Characteristics (T=25°C)



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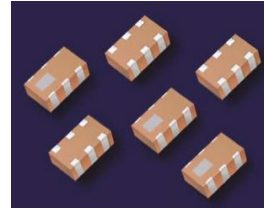
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Appearance



RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

Packaging information

www.johansontechnology.com/ipcpackaging.html

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

Antenna layout and tuning techniques

www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipcantennaservices

Pad metalization information

www.johansontechnology.com/silverleads

MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

Recommended Storage Condition and Max Shelf Life

www.johansontechnology.com/ipcstorage-shelflife

Application Notes, Layout Files, and more

www.johansontechnology.com/ti.html

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