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

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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-Matched to T.I. CC110X,	Operating Temperature	-40 to +125°C		
	CC111X, CC113X and CC115X, CC110L, CC113L, CC115L, CC430 and	Power Rating	1W max. (CW)		
Impedance	RF430 Chipsets	Reel Quanity	4,000		
Insertion Loss 1	1.5 dB max (-40C to +85C)	Recooended Storage	+5 ~ +35 °C, Humidity		
Insertion Loss 2	1.55 dB max (-40C to +125C)	Conditions	45~75%RH		
Attenuation (min.)	25 min @ 1726 - 1856MHz	Storage Beried	18 months max sealed. 1		
	35 min.@ 2589 - 2784MHz	Storage Period	week max after opened*		
	35 min.@ 3452 - 3712MHz	Moisture Sensitivity Level	1		
	35 min.@ 4315 - 4640MHz	*For more info go to www.iohai	nsontechnology 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					
	ln	mm			
L	0.079 ± 0.004	2.00 ± 0.10			
W	0.049 ± 0.004	1.25 ± 0.10			
Т	0.028 ± 0.004	0.70 ± 0.10			
а	0.012 ± 0.004	0.30 ± 0.10			
b	0.008 ± 0.004	0.20 ± 0.10			
С	0.012 +.004/008	0.30 +0.1/-0.2			
g	0.014 ± 0.004	0.35 ± 0.10			
р	0.026 ± 0.002	0.65 ± 0.05			
4	c w	a p T T b b			

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



www.johansontechnology.com

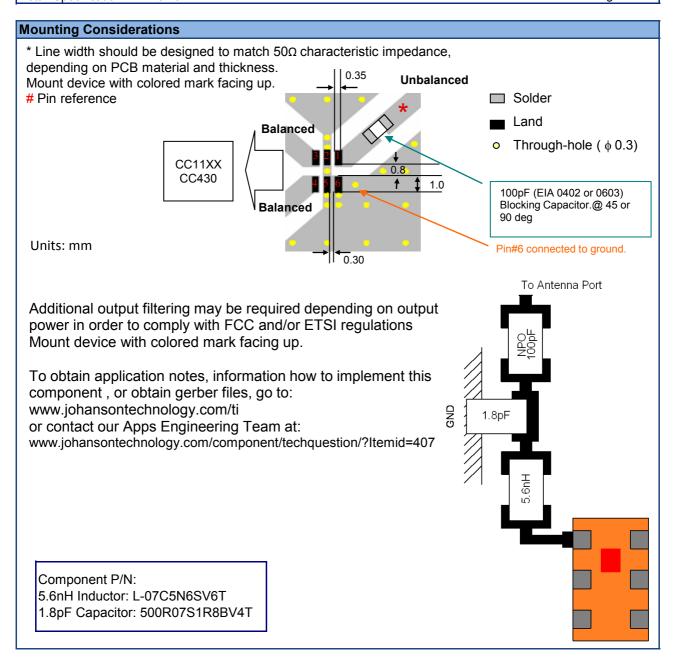
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver 2.2

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

P/N 0896BM15A0001

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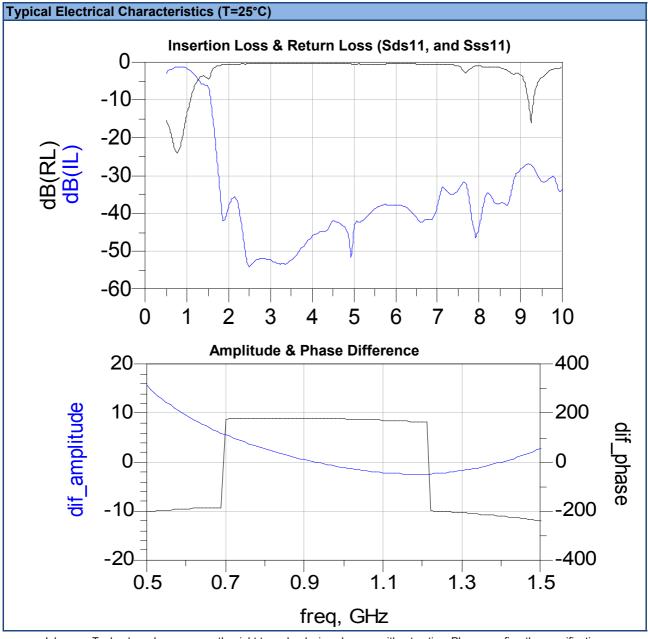
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868/915 MHz Impedance Matched/Balun/LPF Integrated Component for T.I. CC110X, CC111X, CC113X and CC115X, CC110L, CC113L, CC115L, CC430 and RF430

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

P/N 0896BM15A0001

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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/jpcsoldering-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

#### **Recommneded 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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