



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

5.3GHz Directional Coupler/ Low Pass Filter Combo Passive

P/N 5300CF15A0950

Detail Specification: 01/20/2012

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General Specifications

Part Number	5300CF15A0950
Frequency (MHz)	4900 - 5850
Insertion Loss	0.8 dB max.
Return Loss	20 dB min.
Attenuation (min.)	20 dB @ 2 x Fo
Coupling	15 ± 1 dB
Isolation	22 dB min.

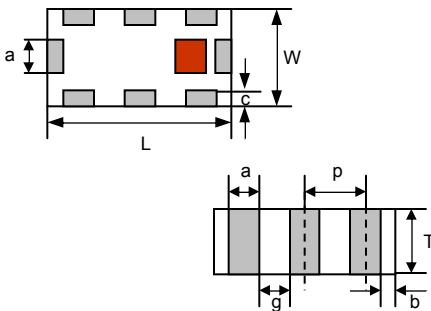
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Conditions	+5 to +35°C, Humidity 45~75%RH, 18 months max.
Reel Quantity	4000
Power (max.)	2W

P/N	Packaging Style	Bulk	Suffix = S	Eg. 5300CF15A0950S
		T & R	Suffix = E	Eg. 5300CF15A0950E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 5300CF15A0950(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 5300CF15A0950(E or S)/Pb
Evaluation Board (2-Port SMA EVB)		5300CF15A0950-EB-SMA		

*<http://johansontechnology.com/en/integrated-passives/integrated-passive-tape-a-reel-packaging.html>

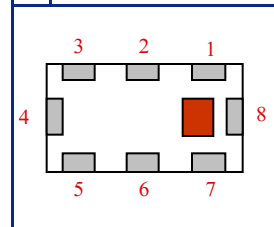
Mechanical Dimensions

	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/-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	Termination
2	GND
3	GND
4	Input
5	Coupled Out
6	GND
7	GND
8	Output

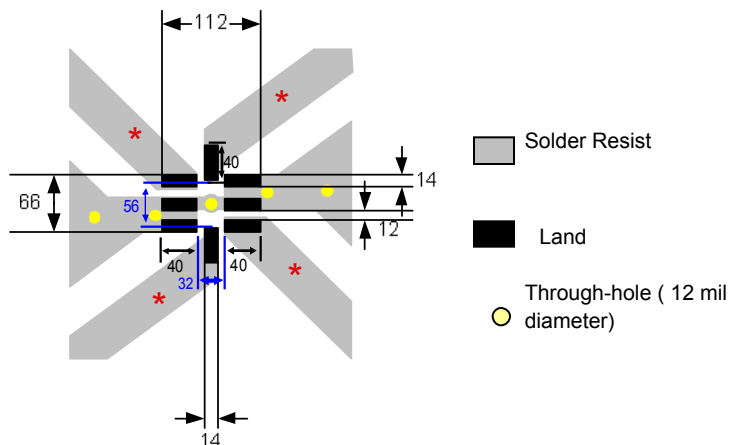


Mounting Considerations

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



* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

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

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High Frequency Ceramic Solutions

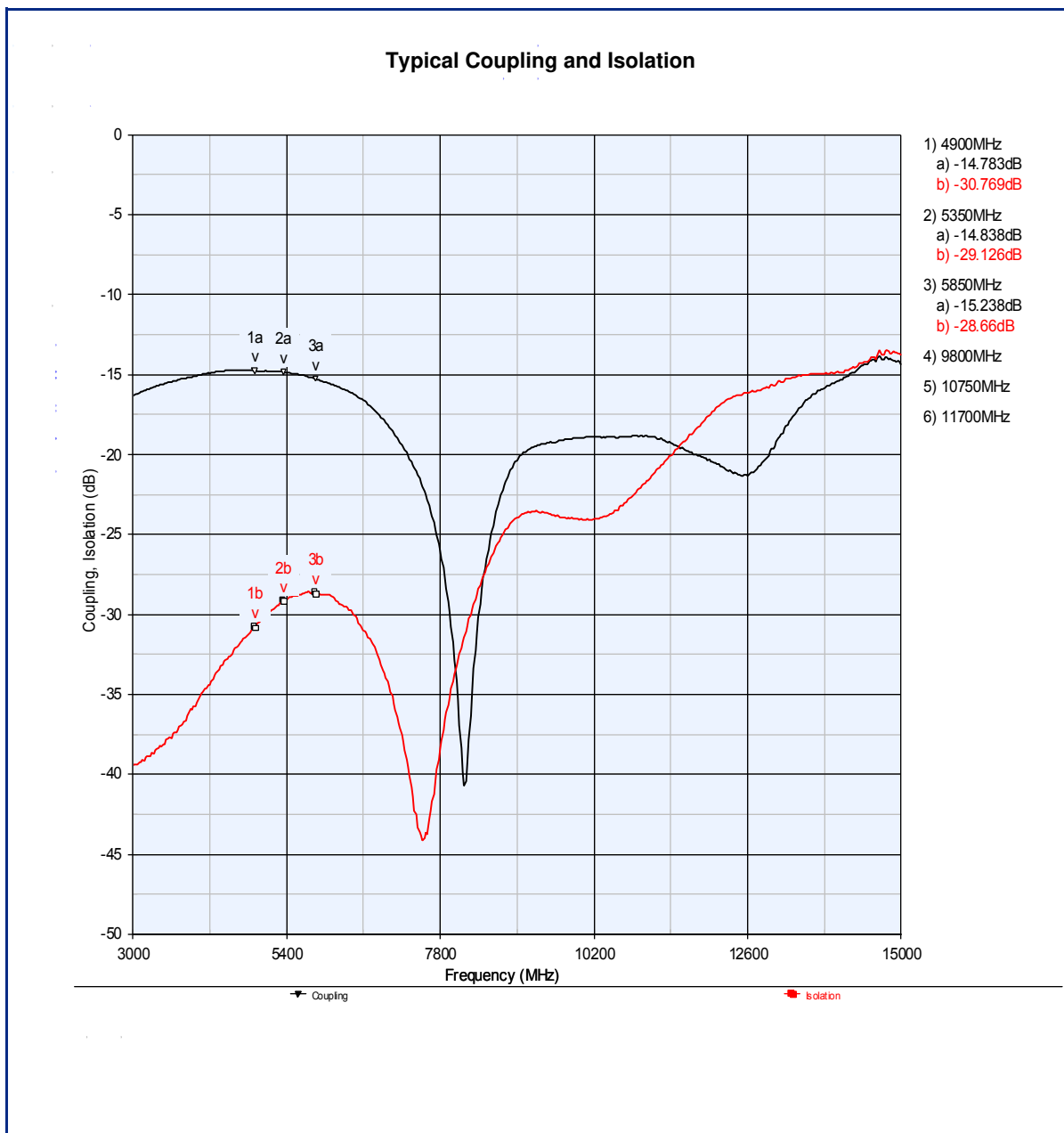
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Typical Electrical Performance (T=25°C)



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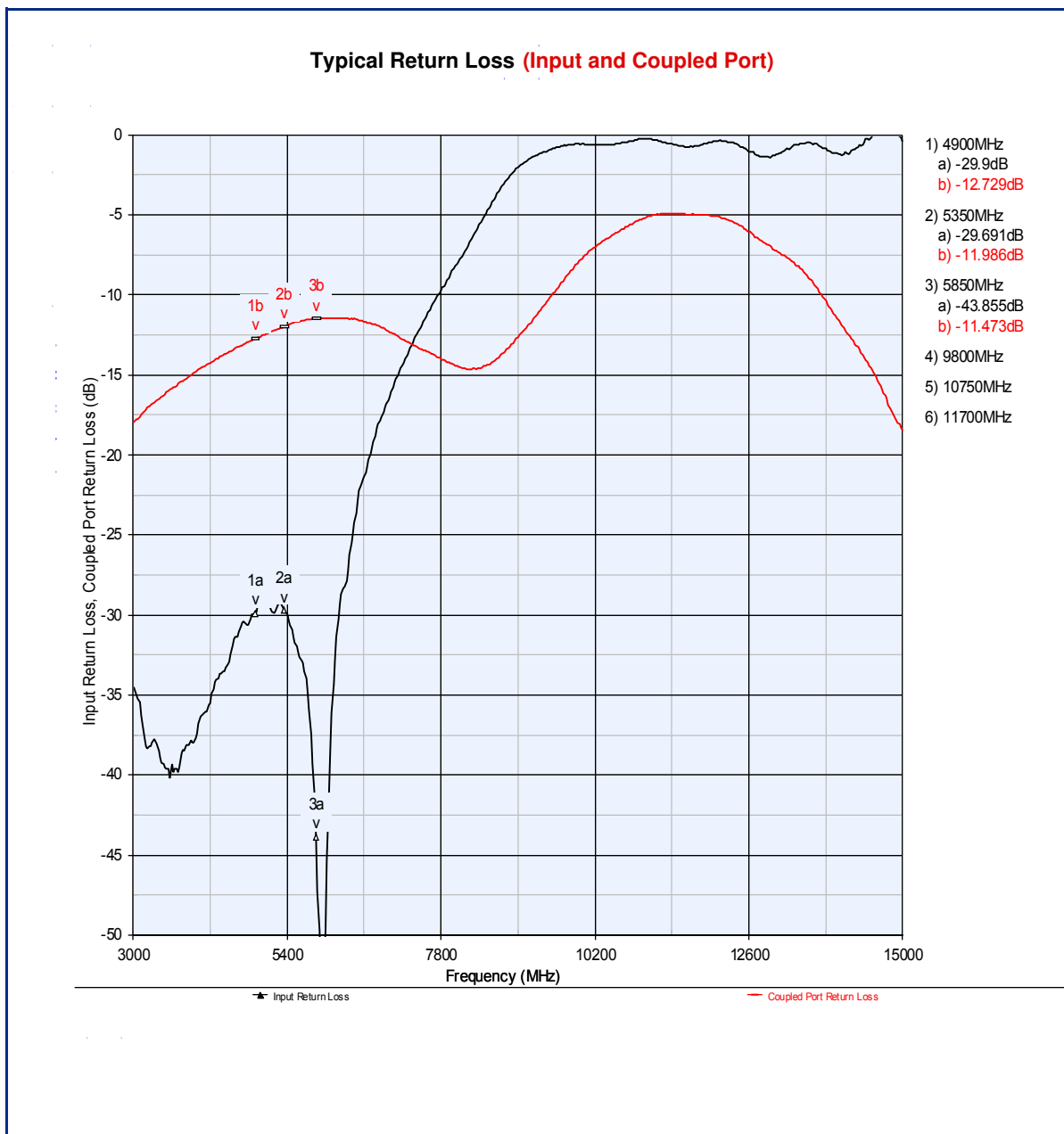
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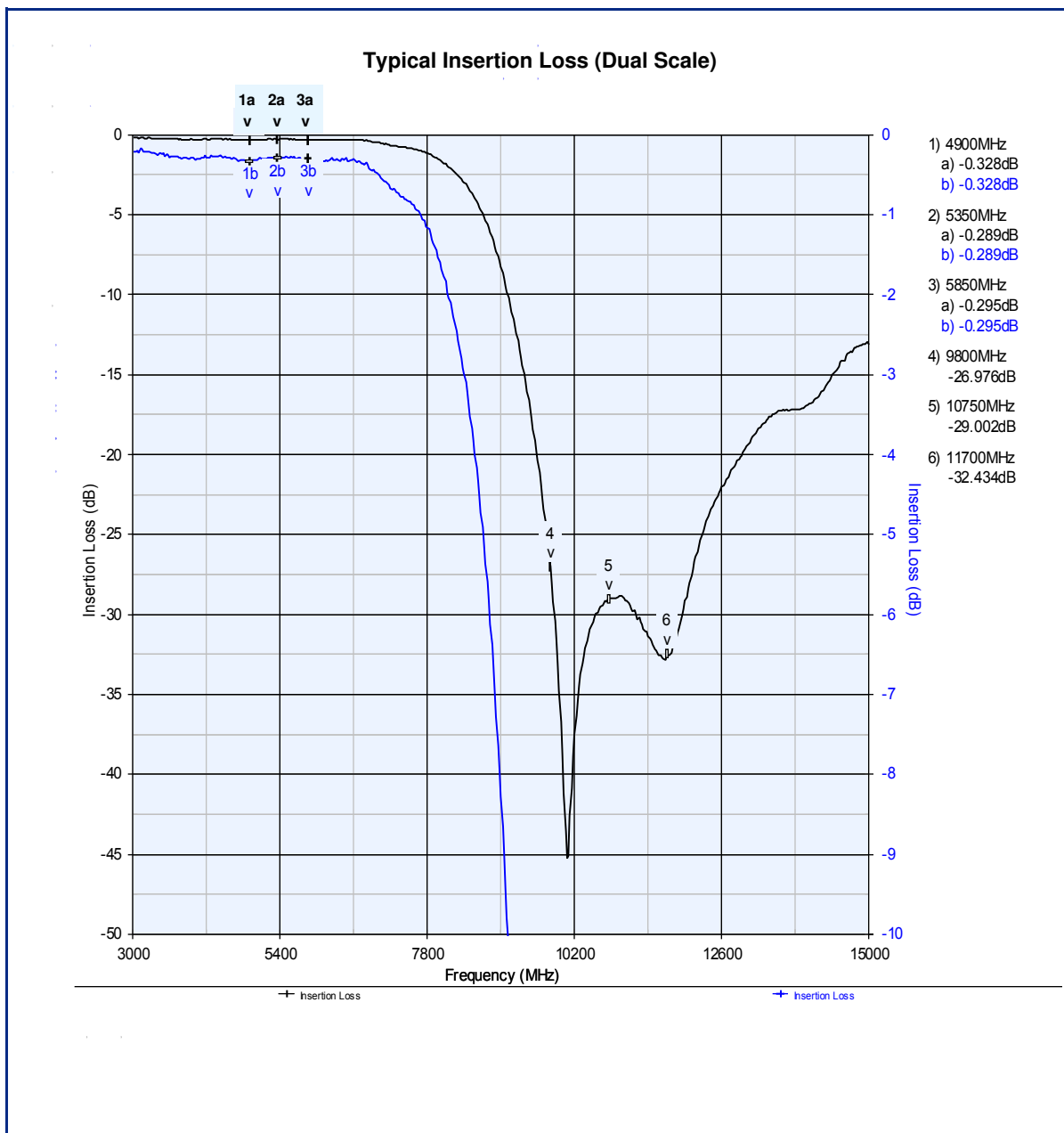
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