

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[1950CH15A100E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

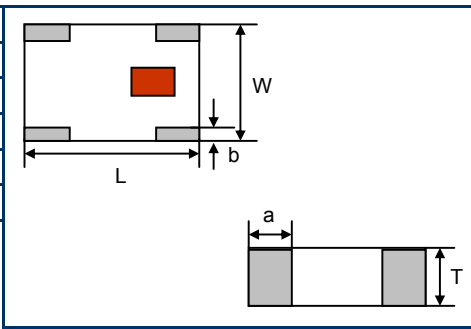
Splitter, 3dB Hybrid; 1900-2000 MHz **P/N 1950CH15A100**
 Detail Specification: 06/02/09 Page 1 of 2

General Specifications (based on term. contact seeing a 50 ohm load)

Part Number	1950CH15A100	Power Capacity	2 Watts max.
Frequency (MHz)	1900 ~ 2000	Impedance	50 Ω
Insertion Loss @ BW	3.3 ± 0.5 dB max.	Operating Temperature	-40 to +85°C
Return Loss (dB)	14.0 min.	Reel Quantity	4,000
Amplitude Balance (dB)	1.0 max.		
Phase Deviation	90° ± 3		
Isolation (dB)	16.0 min.		

Mechanical Dimensions

	In	mm
L	0.080 ± 0.004	2.03 ± 0.10
W	0.061 ± 0.004	1.55 ± 0.10
T	0.039 ± 0.006	0.98 ± 0.15
a	0.022 ± 0.010	0.56 ± 0.25
b	0.014 ± 0.006	0.35 ± 0.15



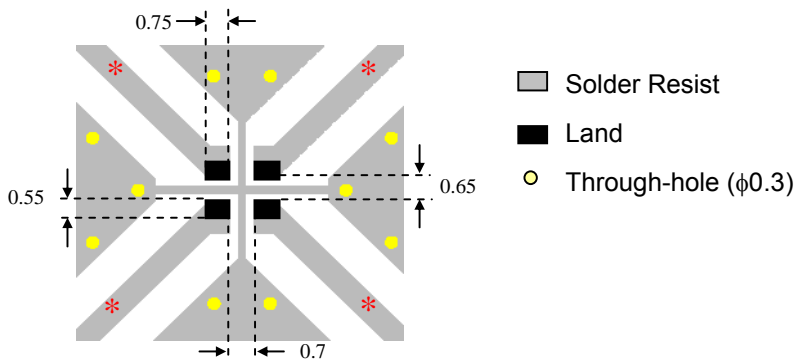
Terminal Configuration

No.	Function
1	50 ohm Term.
2	IN
3	OUT2
4	OUT1

The diagram shows the terminal layout with terminal 1 at the top right (50 Ohm Term), terminal 2 at the top left (IN), terminal 3 at the bottom left (OUT2), and terminal 4 at the bottom right (OUT1).

Mounting Considerations

Mount these devices with brown mark facing up.
 Line width should provide 50Ω impedance matching characteristics.
 Units: mm



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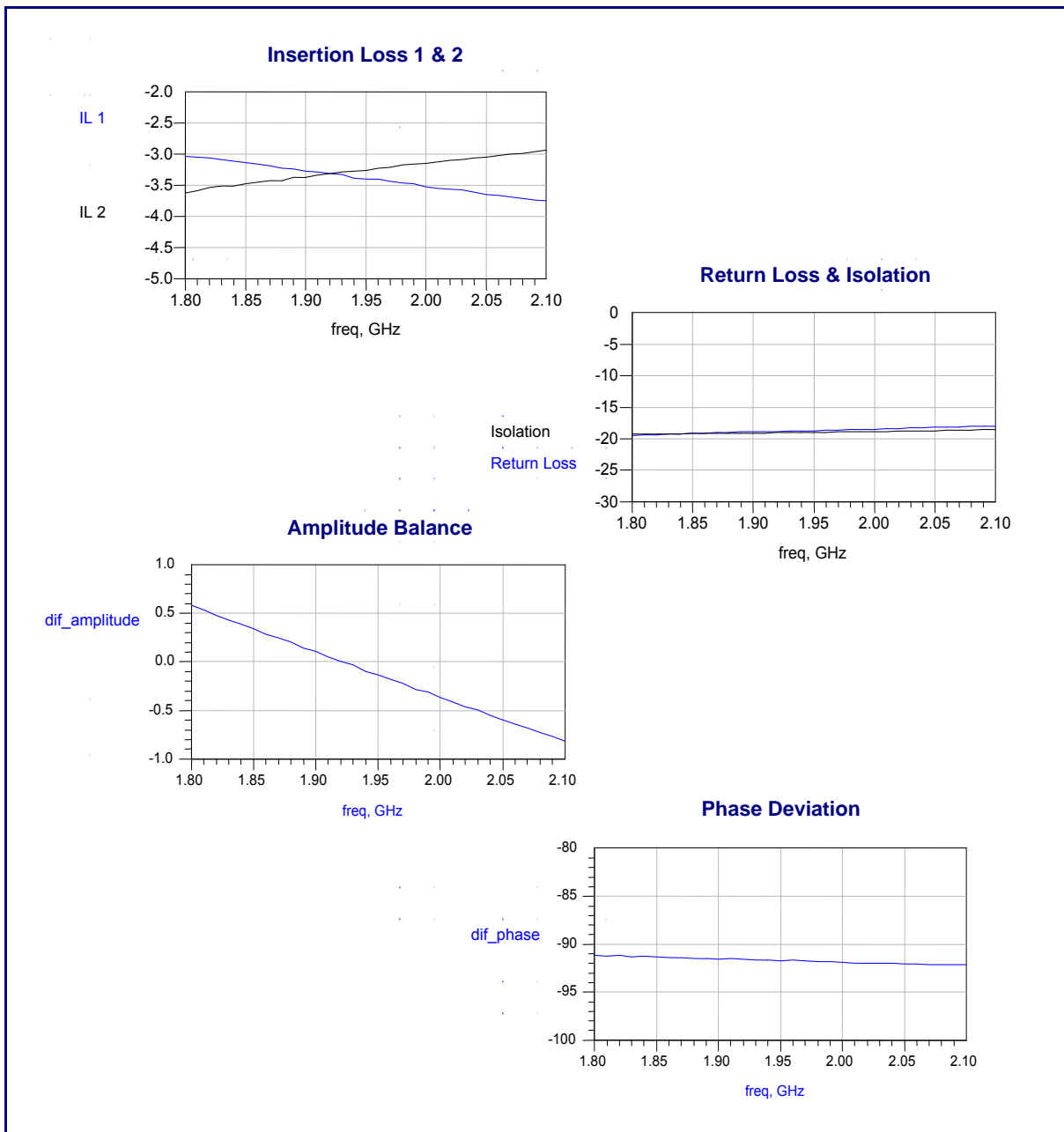
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Typical Electrical Characteristics (T=25°C)



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