



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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# PRELIMINARY

## 892 / 1850 MHz Diplexer

**P/N 0892DP15D1940**

Detail Specification: 01/25/08

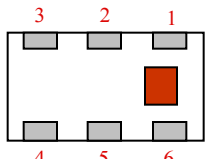
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### General Specifications

Part Number	0892DP15D1940		
Passband (MHz)	Insertion Loss	Attenuation (dB)	Isolation
<b>824 - 960</b>	0.7 max.	16 min. @ 1648 ~ 1830 MHz	16 min.
		22 min. @ 2472 ~ 2745 MHz	
		15 min. @ 3300 ~ 3680 MHz	
		12 min. @ 4100 ~ 4600 MHz	
		15 min. @ 4920 ~ 5520 MHz	
		15 min. @ 5740 ~ 6440 MHz	
		15 min. @ 6560 ~ 7360 MHz	
<b>1710 - 1990</b>	0.8 max.	18 min. @ 3420 ~ 3820 MHz	18 min.
		20 min. @ 5130 ~ 5730 MHz	
		15 min. @ 6800 ~ 7680 MHz	

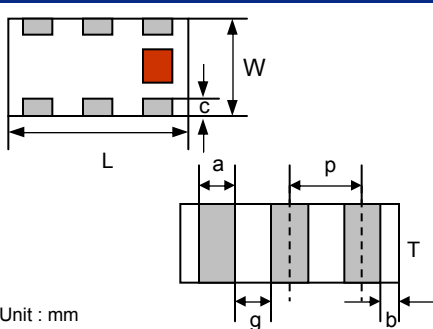
<b>Return Loss</b>	15 dB min.
<b>Input Power</b>	2 Watts max.
<b>Impedance</b>	50 Ω
<b>Operating Temp</b>	-40 to +85°C
<b>Storage Temp</b>	+5 ~ +35 °C, Humidity 45~75%RH
<b>Storage Period</b>	12 months in vacuum sealed bag; 1 week after opened
<b>Reel Quantity</b>	4000

Terminal Configuration	
No.	Function
1	Lower Freq. Port (P3)
2	GND
3	Higher Freq. Port (P1)
4	GND
5	Common Port (P2)
6	GND



### Mechanical Dimensions

	In	mm
<b>L</b>	0.079 ± 0.004	2.00 ± 0.10
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10
<b>T</b>	0.018 ± 0.002	0.45 ± 0.05
<b>a</b>	0.012 ± 0.004	0.30 ± 0.10
<b>b</b>	0.008 ± 0.004	0.20 ± 0.10
<b>c</b>	0.012 +.004/-.008	0.30 +0.1/-0.2
<b>g</b>	0.014 ± 0.004	0.35 ± 0.10
<b>p</b>	0.026 ± 0.002	0.65 ± 0.05



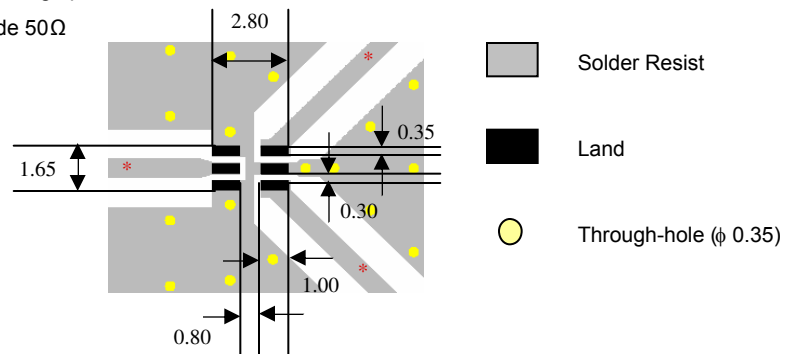
Unit : mm

### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



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

All sales are subject to Johanson Technology, Inc. terms and conditions.

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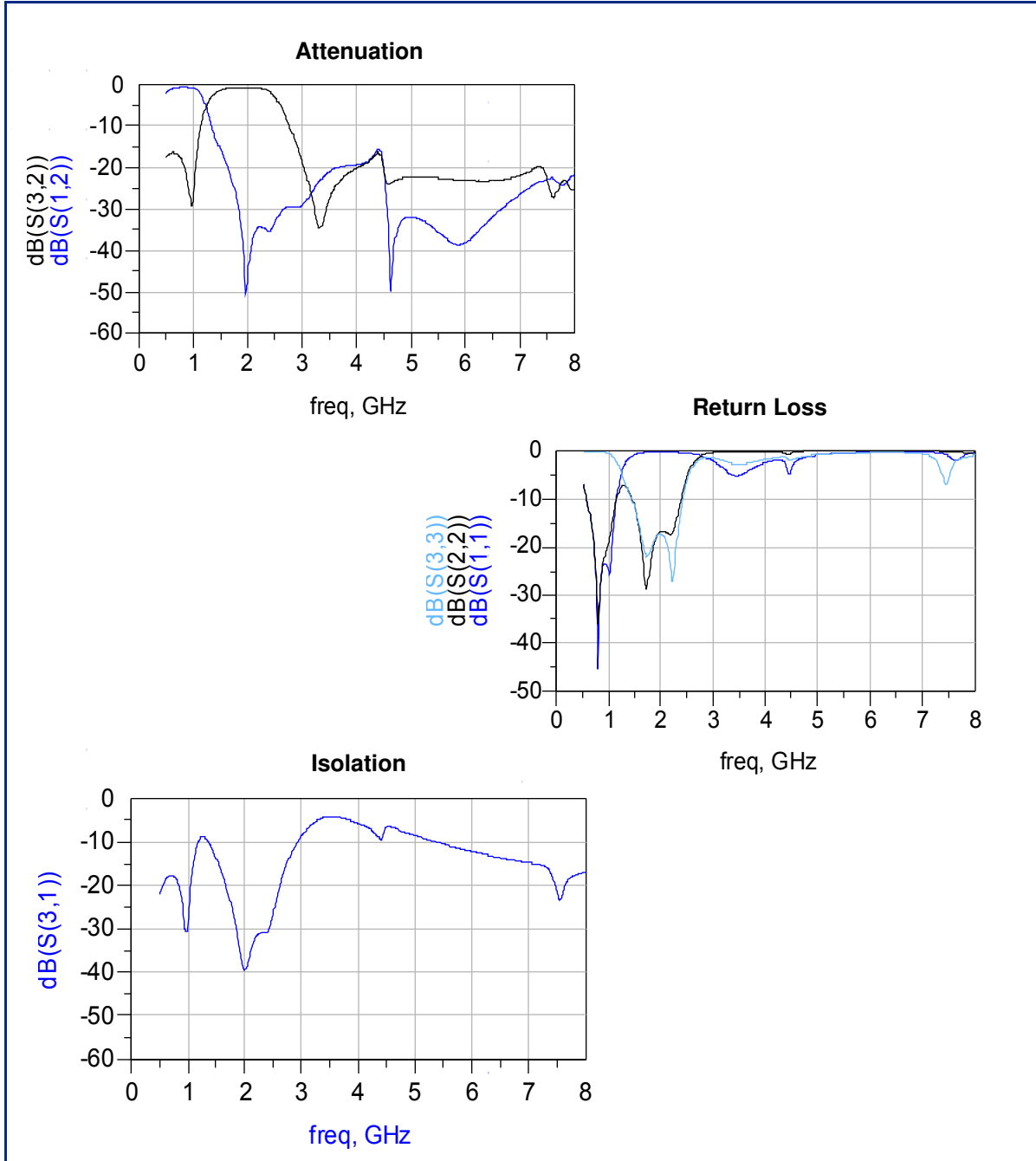
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## Typical Electrical Performance (T=25°C)



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