

# PRELIMINARY

## 892 / 1850 MHz Diplexer

**P/N 0892DP15D1940**

Detail Specification: 01/25/08

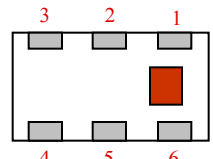
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### General Specifications

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	

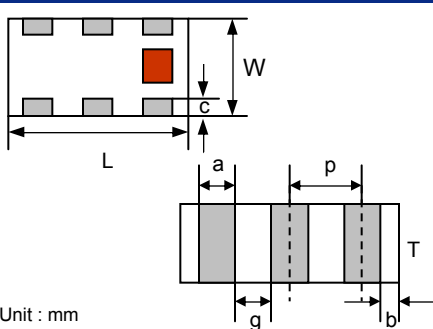
<b>Return Loss</b>	15 dB min.
<b>Input Power</b>	2 Watts max.
<b>Impedance</b>	50 Ω
<b>Operating Temp</b>	-40 to +85°C
<b>Storage Temp</b>	+5 ~ +35 °C, Humidity 45~75%RH
<b>Storage Period</b>	12 months in vacuum sealed bag; 1 week after opened
<b>Reel Quantity</b>	4000

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/-0.008	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



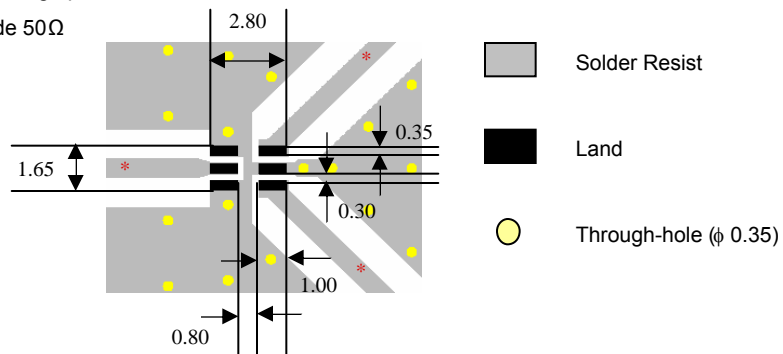
Unit : mm

### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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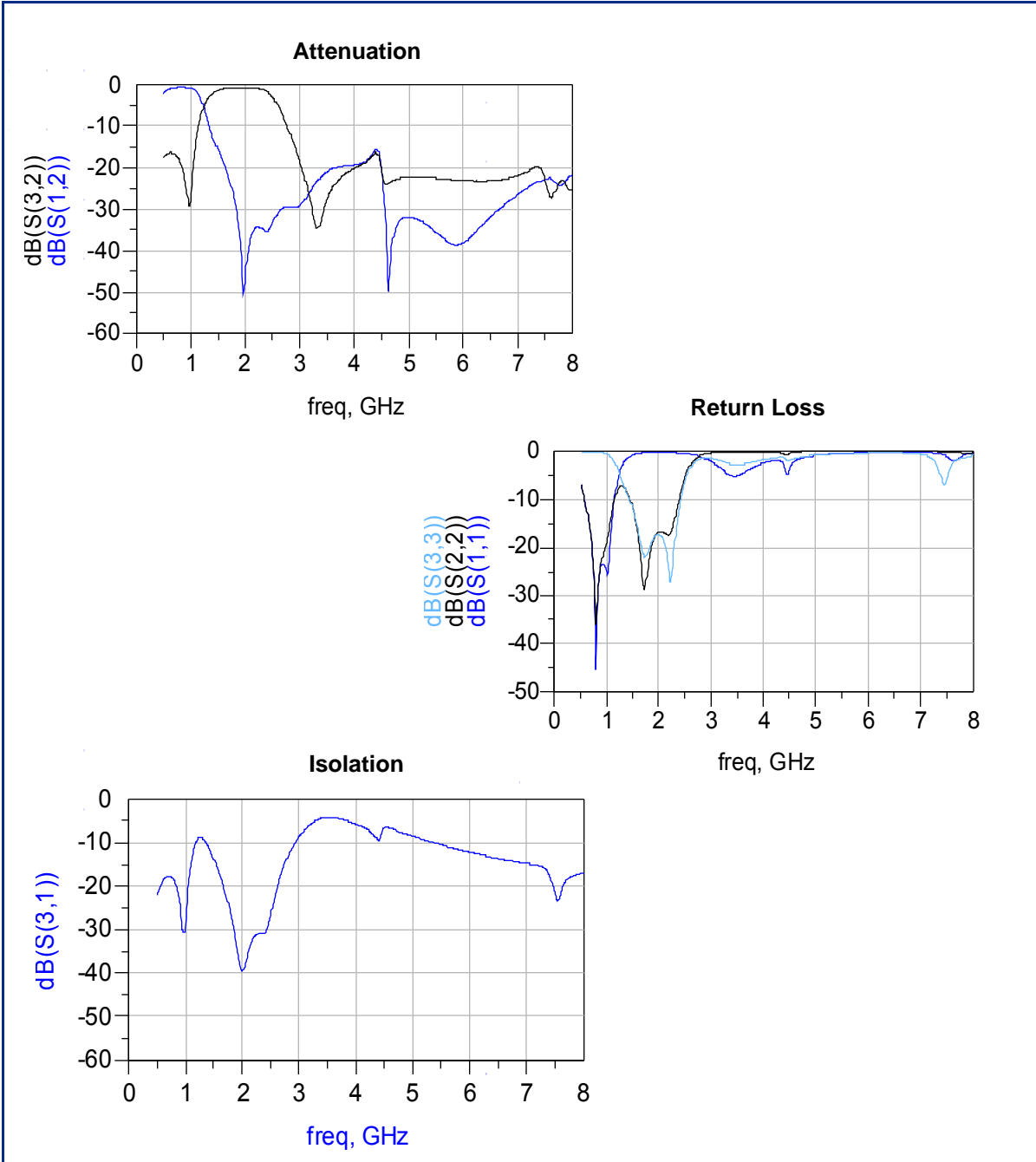
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## Typical Electrical Performance (T=25°C)



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

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