

Preliminary

"High Frequency Ceramic Solutions"

892 MHz Diplexer

Detail Specification: 05/13/10

P/N 0892DP15A1940

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General Specifications

Part Number	0892DP15A1940
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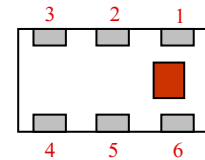
Passband (MHz)	Insertion Loss (dB)	Attenuation I	Isolation (dB)	Return Loss (dB)
824 ~ 960	0.9 max	18 min. @ 1648 ~ 1830 MHz	16 min.	15 min.
		22 min. @ 2472 ~ 2745 MHz		
		15 min. @ 3300 ~ 4000 MHz		
		15 min. @ 5000 ~ 8500 MHz		
1710 ~ 2170	1.0 max	19 min. @ 3420 ~ 3820 MHz	20 min.	13 min.
		20 min. @ 5130 ~ 5730 MHz		
		15 min. @ 6000 ~ 8000 MHz		

Input Power	2 Watts max.
Impedance	50 Ω
Operating Temp	-40 to +85°C
Storage Temp	+5 to +35°C, Humidity 45~75%RH *
Reel Quantity	4000

* 12 months in vacuum sealed bag and 1 week after opened

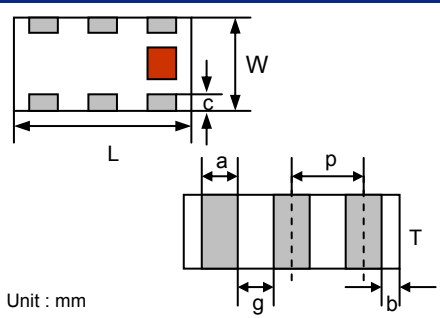
Terminal Configuration

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



Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.018 $\pm$ 0.020	0.45 $\pm$ 0.50
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05

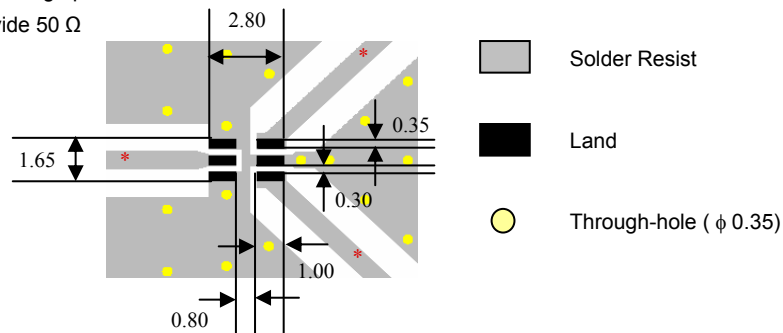


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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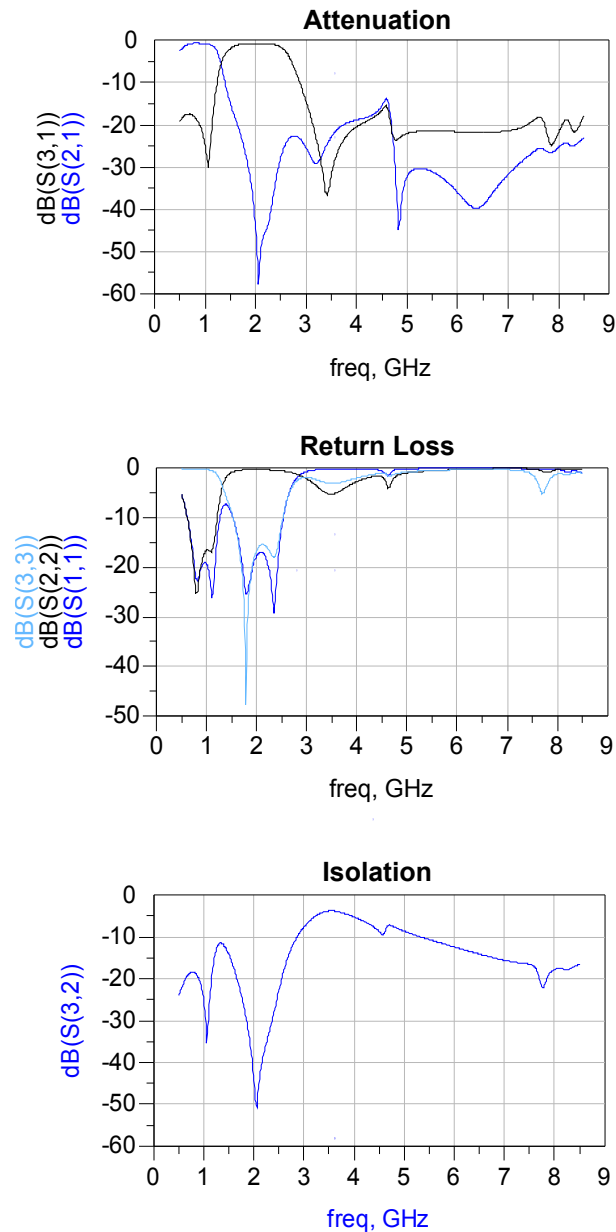
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Typical Electrical Performance (T=25°C)



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