

"High Frequency Ceramic Solutions"

890/1748 MHz Dual Band Directional Coupler

P/N 0898CD15C1748

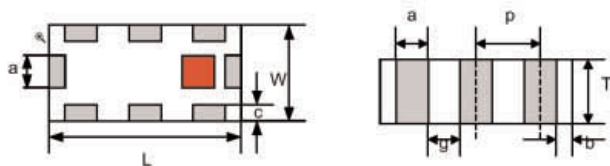
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Part Number	Frequency (MHz)	Insertion Loss	Coupling (dB)	Isolation	
0898CD15C1748_	B1) 880 - 915	0.35 dB max	19.2 ± 1.0	B1 In > B2 Out:	35.0 dB min.
	B2) 1710 - 1785	0.45 dB max	14.0 ± 1.5	B1 In > B2 In:	24.0 dB min.
Return Loss				B1 Out > B2 In:	24.0 dB min.
B1 / B2 (IN/OUT) :				B1 In > Term:	24.0 dB min.
Terminated/Coupled Ports:				B2 In > Term:	24.0 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
B1: 3.2 W max B2: 1.5W max	50 Ω	-40 to +85°C	4000

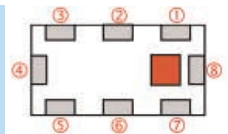
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	$0.079 \pm .004$	$0.049 \pm .004$	$0.034 \pm .004$	$0.012 \pm .004$	$0.008 \pm .004$	$0.012 + .004 / -.008$	$0.014 \pm .004$	$0.026 \pm .002$
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	$0.30 + 0.1 / - 0.2$	0.35 ± 0.1	0.65 ± 0.05



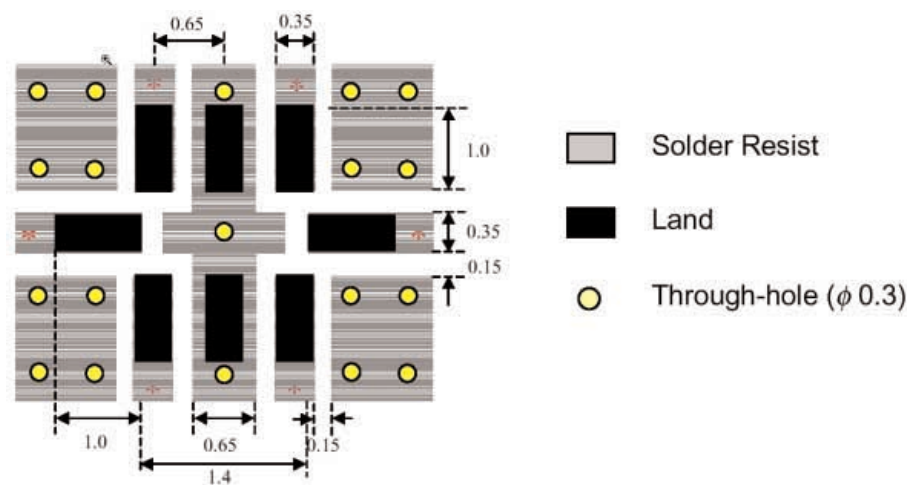
Terminal Configuration

1	Band 1 IN (Port 1)	5	Band 2 OUT (Port 4)
2	GND	6	GND
3	Band 2 IN (Port 3)	7	Band 1 OUT (Port 2)
4	Termination (Port 6)	8	Coupling OUT (Port 5)



Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50 Ω impedance matching characteristics.



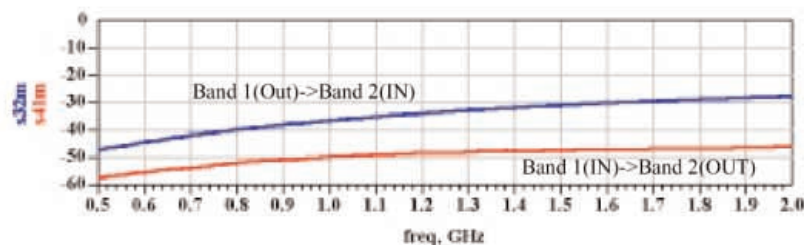
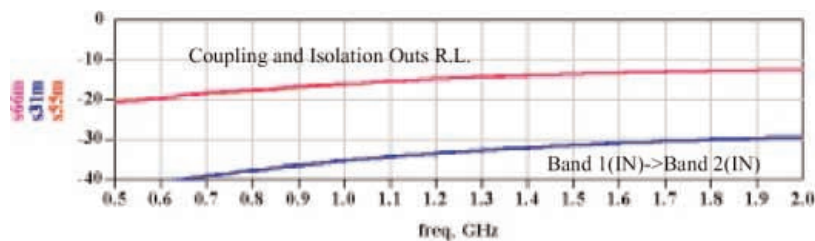
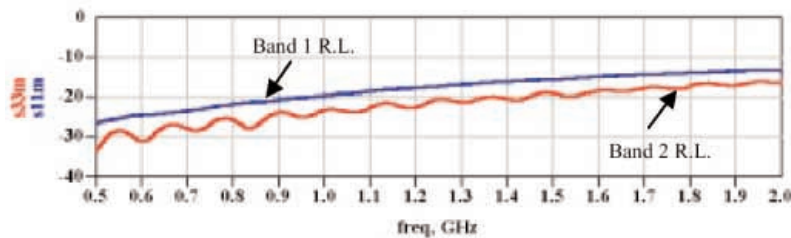
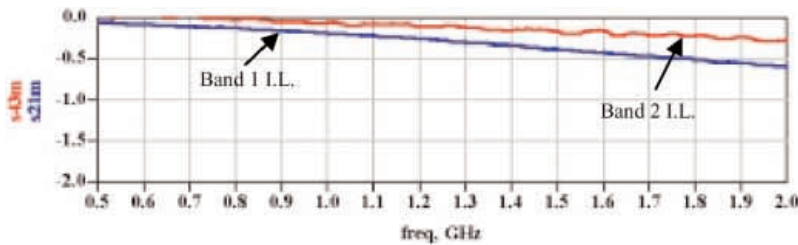
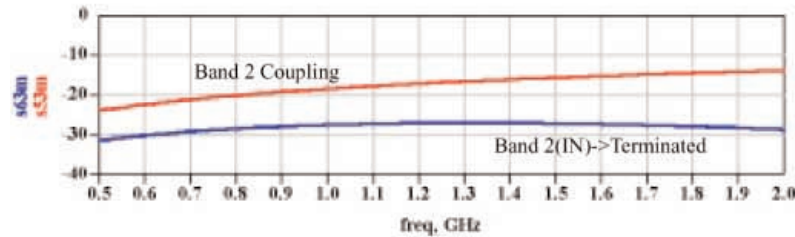
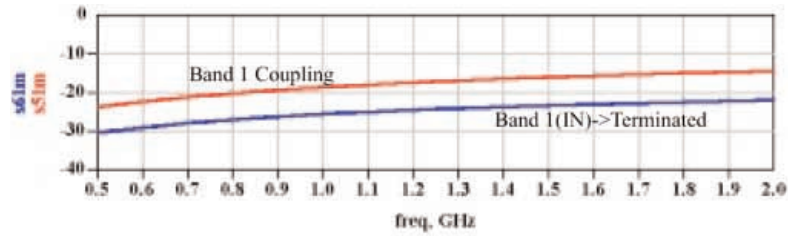
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