

"High Frequency Ceramic Solutions"

890/1748 MHz Dual Band Directional Coupler

P/N 0898CD15B1748

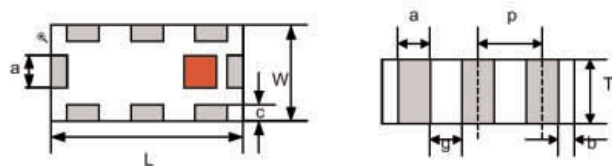
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Part Number	Frequency (MHz)	Insertion Loss	Return Loss	Coupling (dB)	Isolation
0898CD15B1748_	B1) 880 - 915	0.4 dB max	10.9 dB	19.2 ± 1.0	B1 In > B2 Out: 35.0 dB min.
	B2) 1710 - 1785	0.4 dB max	10.9 dB	19.2 ± 1.0	B1 In > B2 In: 25.0 dB min.
					B1 Out > B2 In: 25.0 dB min.
					B1 In > Term: 23.0 dB min.
					B2 In > Term: 23.0 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	4000

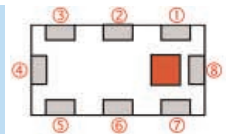
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049 ± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 ± .004/-0.008	0.014 ± .004	0.026 ± .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



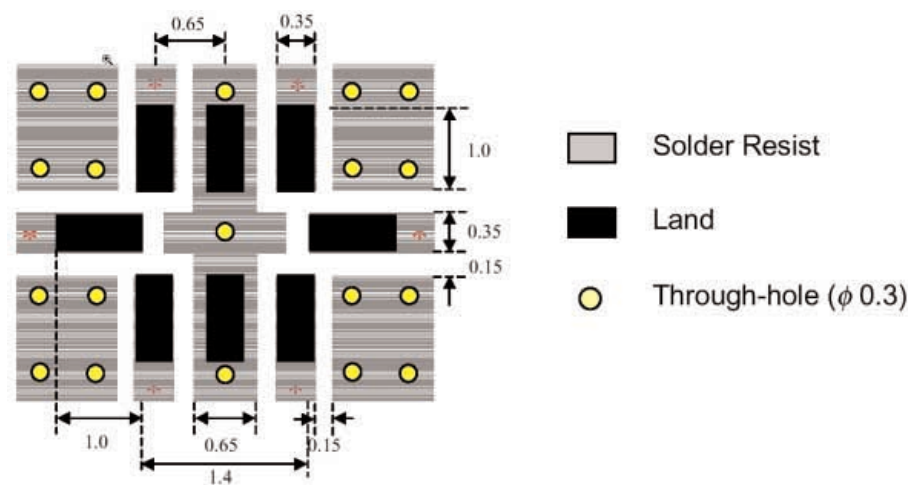
Terminal Configuration

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 50Ω impedance matching characteristics.



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