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[Johanson Technology Inc.](#)
[0869CP14A090T](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

869 MHz Directional Coupler

P/N 0869CP14A090

Detail Specification 02/19/2003

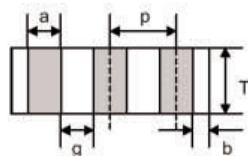
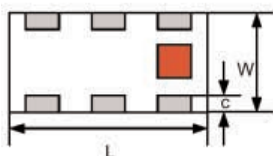
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Part Number	Frequency (MHz)	Insertion Loss	Return Loss	Coupling	Isolation
0869CP14A090_	824 - 915	0.30 dB max	15.6 dB min.	17.0 ± 1.0 dB	26.0 dB min.

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

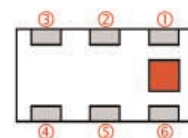
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.063 ± .004	0.032 ± .004	0.024 ± .004	.008 ± .004	0.008 ± .004/-0.006	.006 ± ± .004	0.012 ± .004	0.020 ± .002
mm	1.6 ± 0.1	0.80 ± 0.1	0.60 ± 0.1	0.20 ± 0.1	0.20+0.1/-0.15	0.15 ± 0.1	0.30 ± 0.1	0.50 ± 0.05



Terminal Configuration

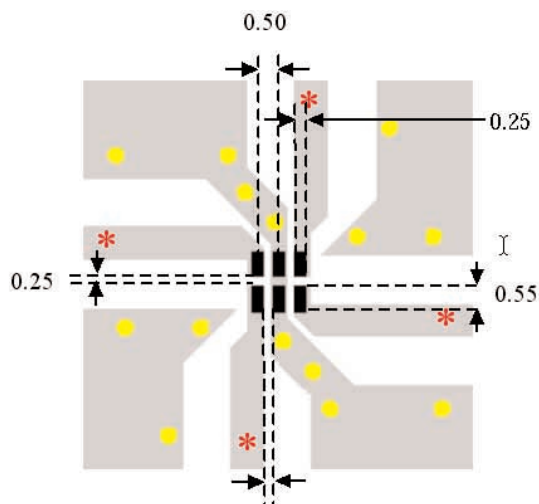
1	IN	4	Termination
2	GND	5	GND
3	Coupled Out	6	Main Out



Mounting Considerations

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

Units: mm



- Solder Resist
- Land
- Through-hole (φ 0.3)
φ 0.3

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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