

Preliminary "High Frequency Ceramic Solutions"

169MHz ISM Chip Antenna

P/N 0169AT62A0010

Detail Specification: 4/5/2012

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General Specifications

Part Number	0169AT62A0010
Frequency Range	164 - 175MHz
Return Loss	5.5dB min
Input Power	2W max.

Operating Temperature	-40 to +85°C
Recommended Storage Conditions	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Reel Quantity	500

Note:

We cannot show nor guarantee specific gain figures due to the low frequency nature of this particular antenna and the difficulty in chamber measurement

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

	In	mm
L	0.984 ± 0.008	25.00 ± 0.20
W	0.197 ± 0.008	5.00 ± 0.20
T	0.047 ± 0.004	1.20 ± 0.10
a	0.020 ± 0.008	0.50 ± 0.20
a2	0.039 ± 0.008	1.00 ± 0.20

Mounting Considerations

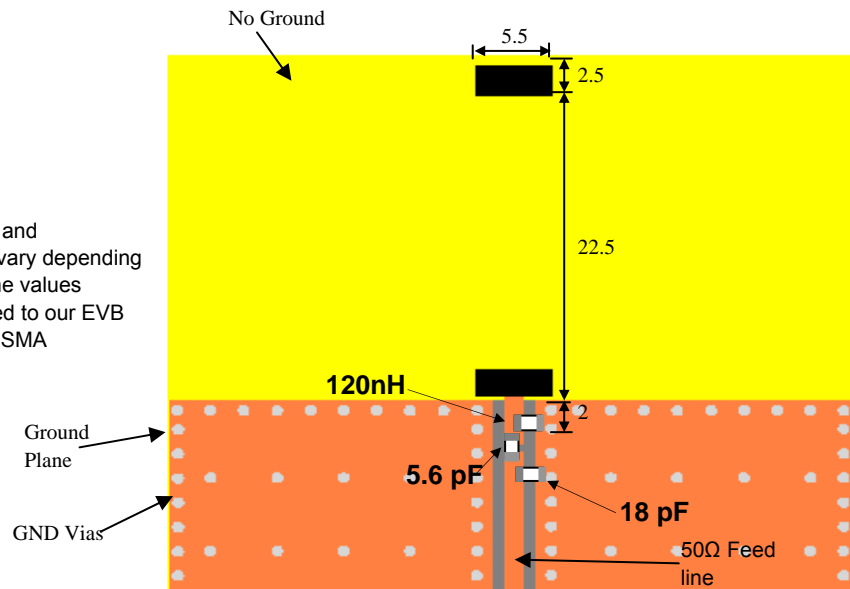
Mount these devices with brown mark facing up. Units: mm

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

With Matching Circuit

- Solder Resist
- Land

Attention! Matching circuit and component values will vary depending on PCB layout, size, etc the values portrayed here are matched to our EVB p/n: 0169AT62A0010-EB1SMA (orderable item)



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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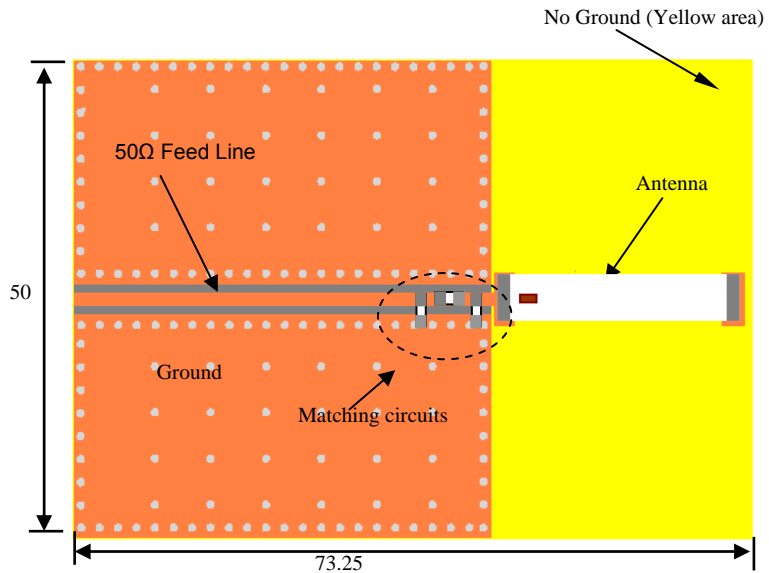
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Mounting Considerations

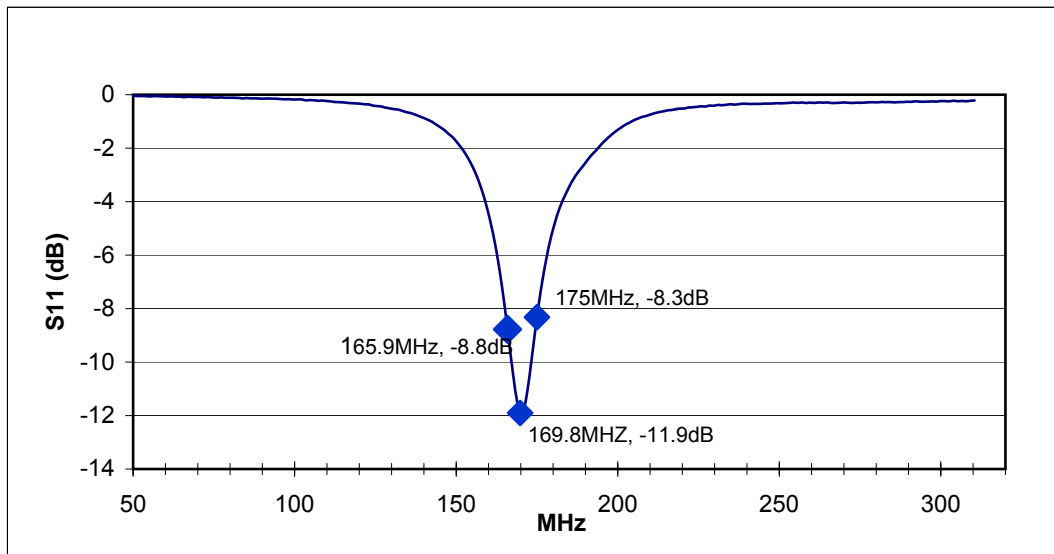
Test Board

units in mm

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Return Loss (with matching)



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