

Preliminary "High Frequency Ceramic Solutions"

169MHz ISM Chip Antenna

Detail Specification: 4/5/2012

P/N 0169AT62A0010

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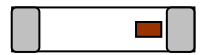
General Specifications

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

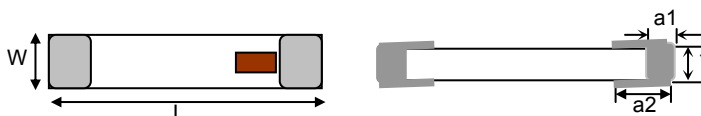
Note:

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

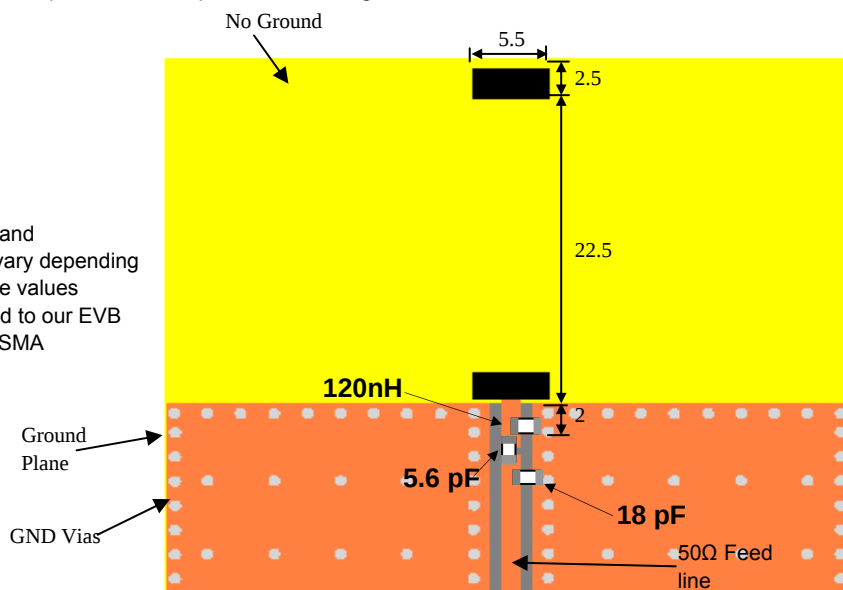
* Line width should be designed to provide 50 Ω impedance matching characteristics.

With Matching Circuit

 Solder Resist

 Land

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



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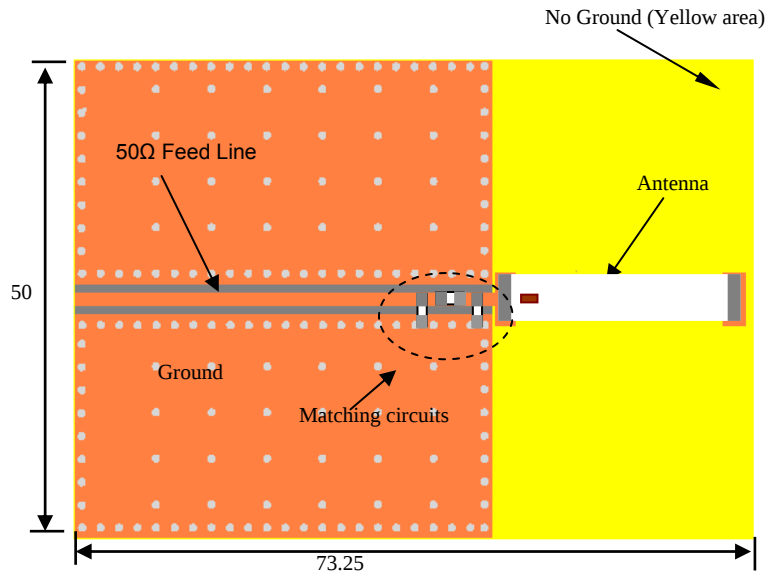
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Mounting Considerations

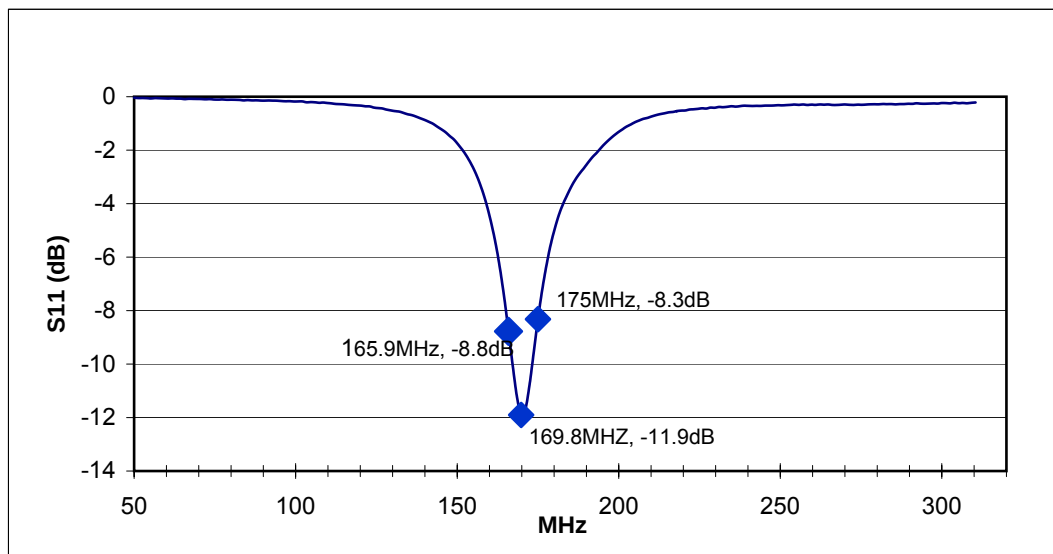
Test Board

units in mm

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Return Loss (with matching)



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