

"High Frequency Ceramic Solutions"

490 MHz SMD Chip Antenna

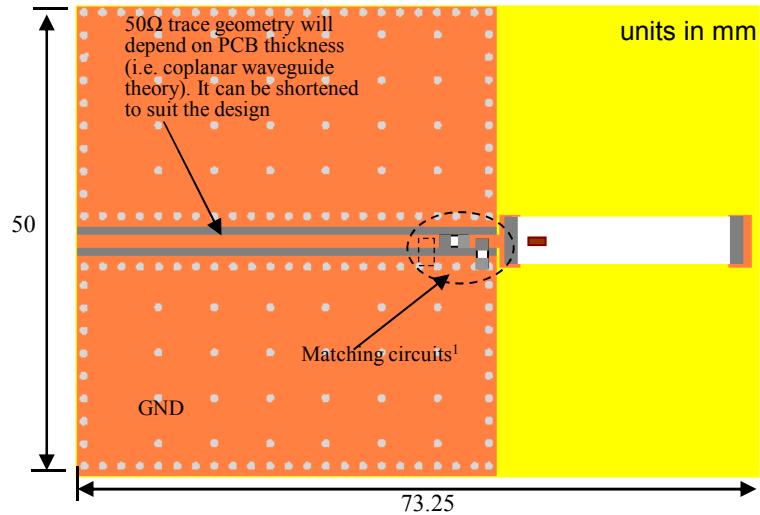
P/N 0490AT62A0040

Detail Specification: 9/12/2013

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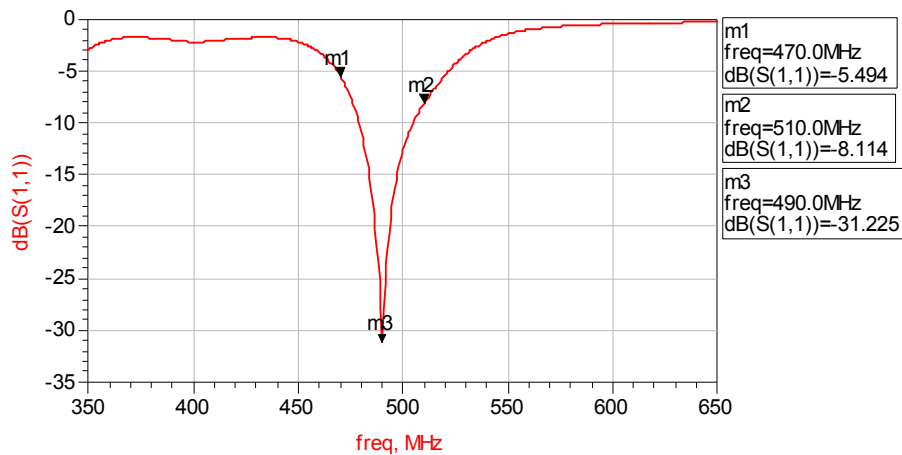
Mounting Considerations

Test Board orderable
item p/n:
0490AT62A0040-EB1SMA



(1)Note: It is recommended that the designer leave available slots for a "pi" (or shunt-series-shunt) network. The antenna matching network values here are used when antenna is mounted on Johanson's evaluation board. The matching values on clinet's PCB will be different, go to: johansontechnology.com/tuning and see how to obtain the new values. If you need further help, contact our RF Applications Eng Team at: www.johansontechnology.com/en/ask-a-technical-question.html

Typ Return Loss (with matching)



Johanson Technology, Inc. reserves the right to make design changes without notice.
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Ver. 1.2

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"High Frequency Ceramic Solutions"

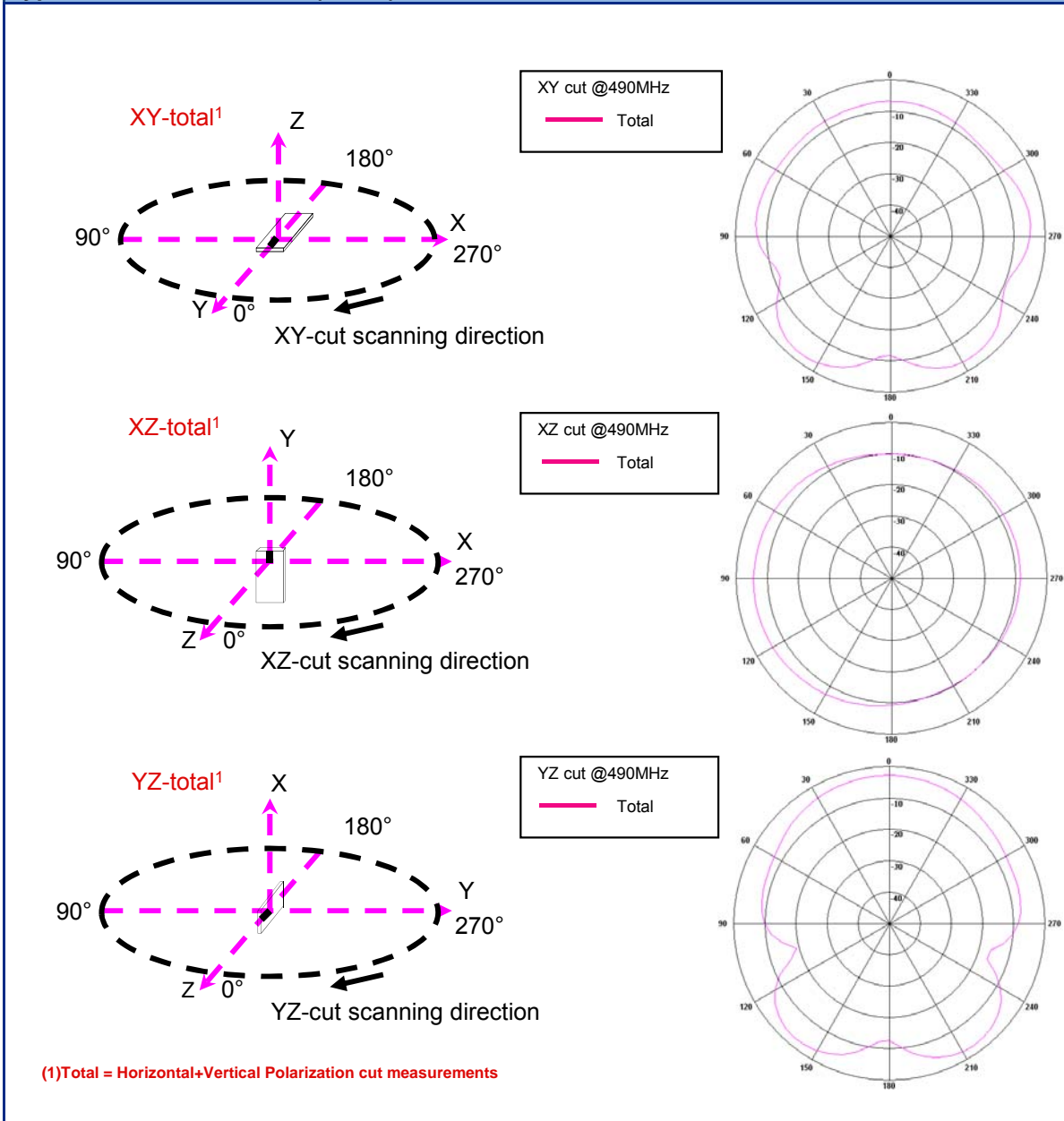
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Typical Radiation Patterns (@25C)



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Further Technical and Environmental Information

Part Number Explanation

P/N Suffix	Packaging Style	Bulk (loose pieces)	Suffix = S	Eg. 0490AT62A0040S
		T & R	Suffix = E	Eg. 0490AT62A0040E
		T & R (Reverse)	Suffix = R	Eg. 0490AT62A0040R (MOQ Applies)
	Termination style	100% Tin (RoHS)	Suffix = S/E/R	Eg. 0490AT62A0040(S, E, R)
		Tin / Lead	Please consult Factory	
	Evaluation Board(s) (1-port SMA antenna test boards)	0490AT62A0040-EB1SMA (Page 2)		

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipcantennaservices

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

Packaging information

www.johansontechnology.com/ipcpackaging.html

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

Recommended Storage Condition and Max Shelf Life

www.johansontechnology.com/ipcstorage-shelflife

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Mouser Electronics

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[0490AT62A0040E](#)