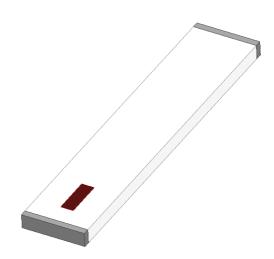
433 MHz ISM Antenna SMD (25x5mmx1.2)

Detail Specification: 5/30/2018

P/N 0433AT62A0020E-AEC Page 1 of 10

General Specifications	
Part Number	0433AT62A0020E-AEC
Frequency (MHz)*	423 - 443
Peak Gain (XZ-total)	-4.0 dBi typ.
Average Gain (XZ-total)	-4.0 dBi typ.
Return Loss	9.5 dB min.
Impedance	50 Ω

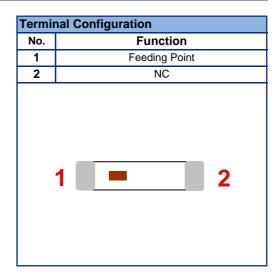
Power Capacity (W)	3 max. (CW)
Operating Temperature	-40 to +105°C
Recommended Storage	+5 ~ +35 °C
Conditions for unused	Humidity 45~75%RH
T&R product	18 mos. max
Reel Quantity	500 pcs.



*See page 8 for tuned antenna performance at 460MHz *See page 9 for tuned antenna performance at 403MHz

Part Numbe	er Explanation			
		Bulk	Suffix = S	eg. 0433AT62A0020S
P/N Suffix	Packing Style	T&R	Suffix = T	eg. 0433AT62A0020E
		100% Tin	Suffix = None	eg. 0433AT62A0020(E or S)

Me	chanical	Dim	ensions	
		In		mm
L	0.984	±	0.008	25.00 ± 0.20
W	0.197	±	0.008	5.00 ± 0.20
Т	0.047	±	0.004	1.20 ± 0.10
а	0.020	±	0.008	0.50 ± 0.20
a2	0.039	±	0.008	1.00 ± 0.20
	wţ	L		$\xrightarrow{i}_{a2}^{a1} \underbrace{\leftarrow}_{T}$



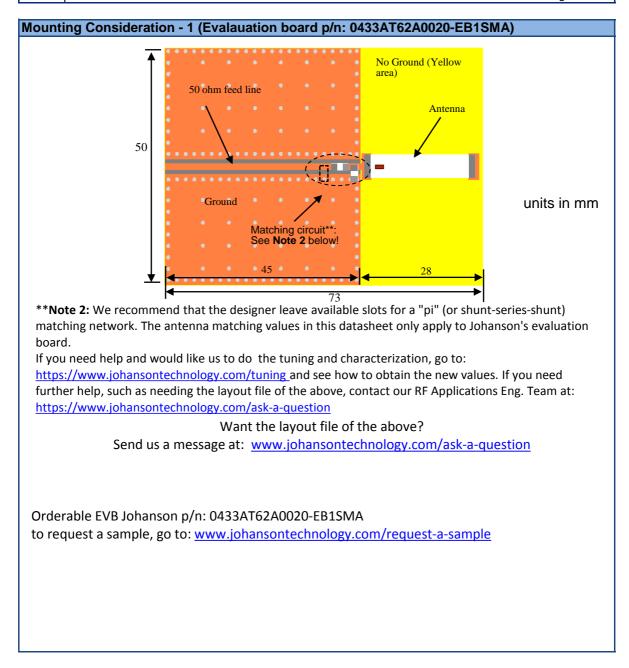
Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

433 MHz ISM Antenna SMD (25x5mmx1.2) Detail Specification: 5/30/2018

P/N 0433AT62A0020E-AEC Page 2 of 10



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

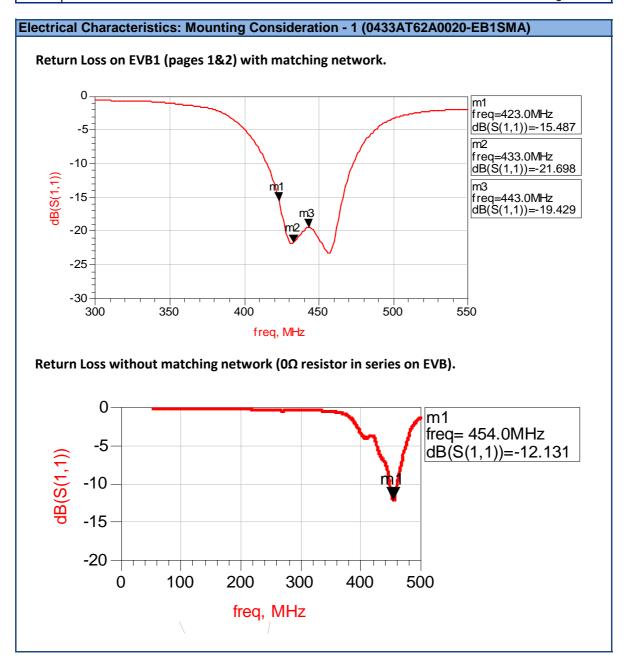


 www.johansontechnology.com

 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

 Ver 3.0
 2018 Johanson Technology, Inc. All Rights Reserved

433 MHz ISM Antenna SMD (25x5mmx1.2) Detail Specification: 5/30/2018 P/N 0433AT62A0020E-AEC Page 3 of 10

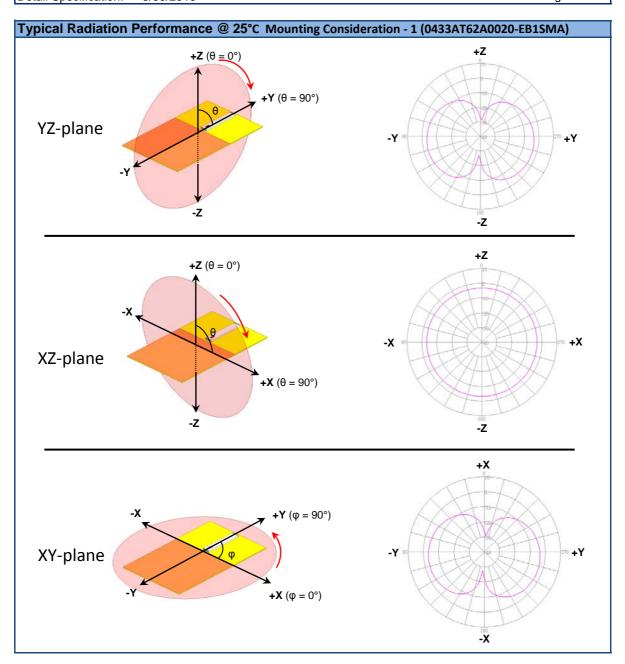


Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

433 MHz ISM Antenna SMD (25x5mmx1.2) Detail Specification: 5/30/2018 P/N 0433AT62A0020E-AEC Page 4 of 10



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



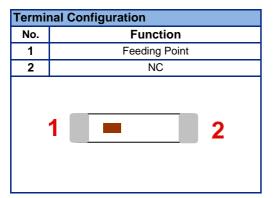
www.johansontechnology.com

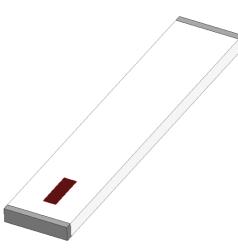
433 MHz ISM Antenna SMD (25x5mmx1.2)

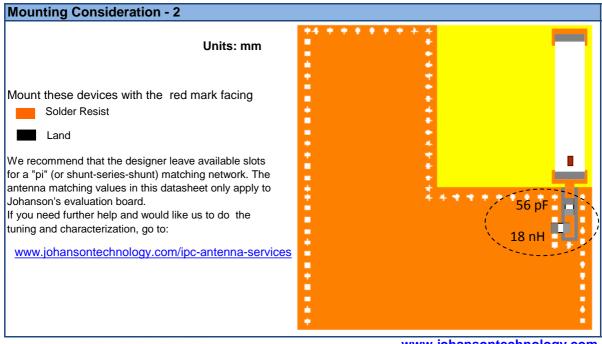
Detail Specification: 5/30/2018

P/N 0433AT62A0020E-AEC Page 5 of 10

General Specifications: Mounting Considera		
Part Number	0433AT62A0020	
Frequency (MHz)	423 - 443	
Peak Gain (XZ-total)	-6.8 dBi typ. (Mounting 2)	
Average Gain (XZ-total)	-7.2 dBi typ. (Mounting 2)	
Return Loss	5 dB min. (Mounting 2)	
Impedance	50 Ω	









 www.johansontechnology.com

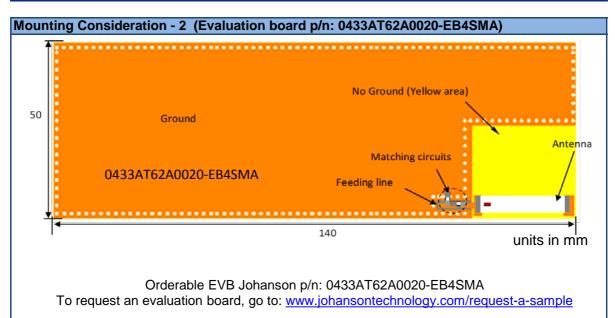
 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

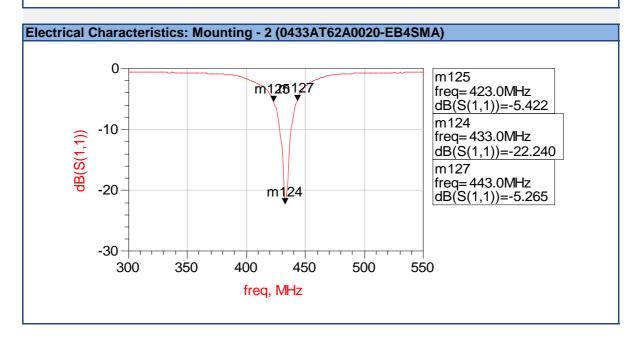
 Ver 3.0
 2018 Johanson Technology, Inc. All Rights Reserved

433 MHz ISM Antenna SMD (25x5mmx1.2)

P/N 0433AT62A0020E-AEC Page 6 of 10

Detail Specification: 5/30/2018



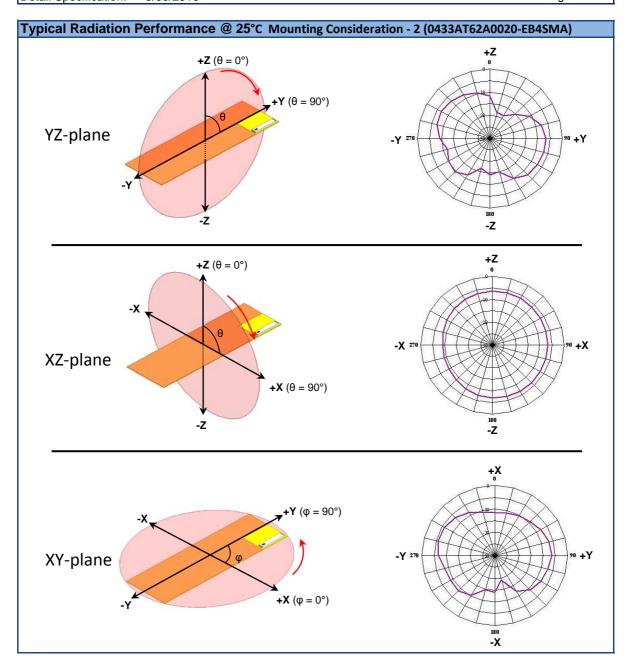


Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

433 MHz ISM Antenna SMD (25x5mmx1.2) Detail Specification: 5/30/2018 P/N 0433AT62A0020E-AEC Page 7 of 10



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

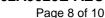


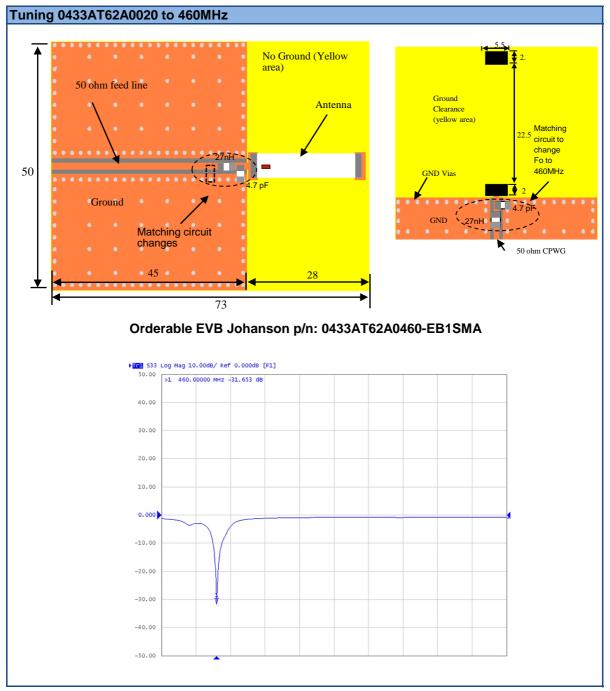
www.johansontechnology.com

433 MHz ISM Antenna SMD (25x5mmx1.2)

P/N 0433AT62A0020E-AEC

Detail Specification: 5/30/2018





Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specificationsand delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

Ver 3.0

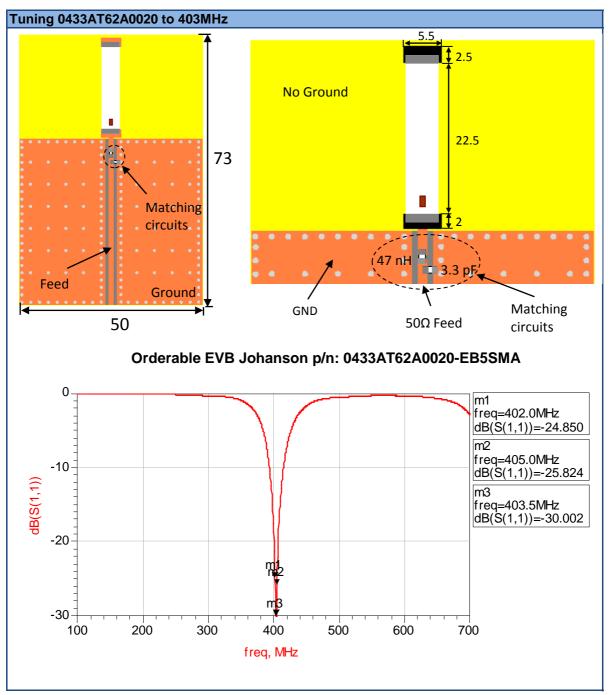


www.johansontechnology.com

433 MHz ISM Antenna SMD (25x5mmx1.2) Detail Specification: 5/30/2018

P/N 0433AT62A0020E-AEC

Page 9 of 10



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specificationsand delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

Ver 3.0





433 MHz ISM Antenna SMD (25x5mmx1.2)

P/N 0433AT62A0020E-AEC

Detail Specification: 5/30/2018

Page 10 of 10

More SMD Chip Antennas at:

www.johansontechnology.com/antennas

Packaging information

www.johansontechnology.com/tape-reel-packaging

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

Antenna layout and tuning techniques (How to obtain the new antenna matching values) www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services www.johansontechnology.com/ipc-antenna-services

RoHS Compliance

www.johansontechnology.com/rohs-compliance

MSL Info

www.johansontechnology.com/msl-rating

For all sample requests go to www.johansontechnology.com/request-a-sample

Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

www.johansontechnology.com 4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821 Ver 3.0 2018 Johanson Technology, Inc. All Rights Reserved

