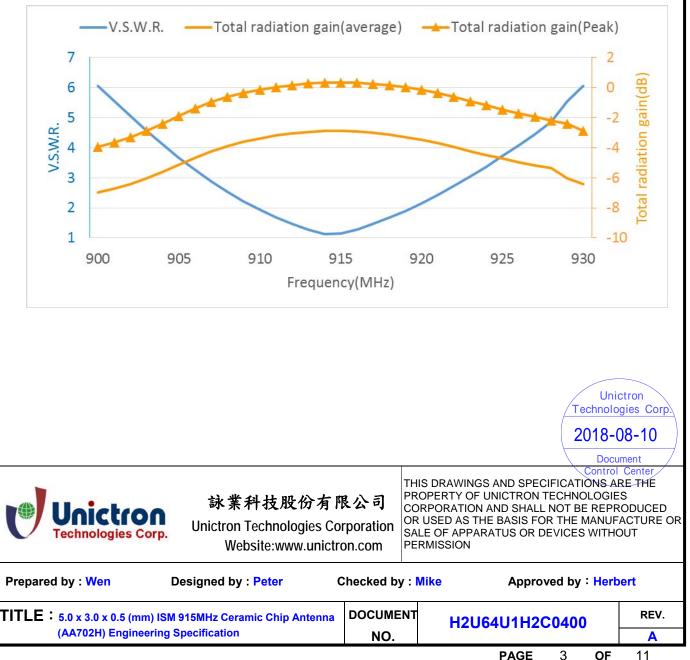


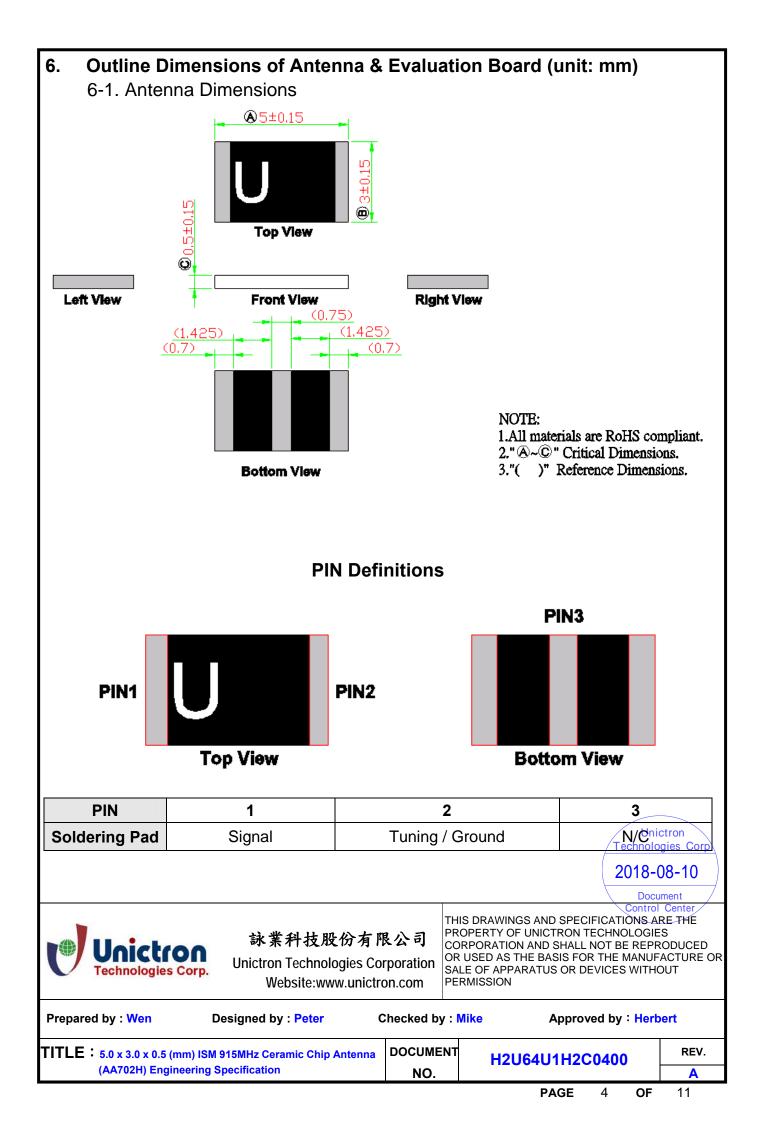
5-2. Electrical Specifications (Evaluation Board Dimensions: 80 x 40 mm²) 5-2-1. Electrical Table

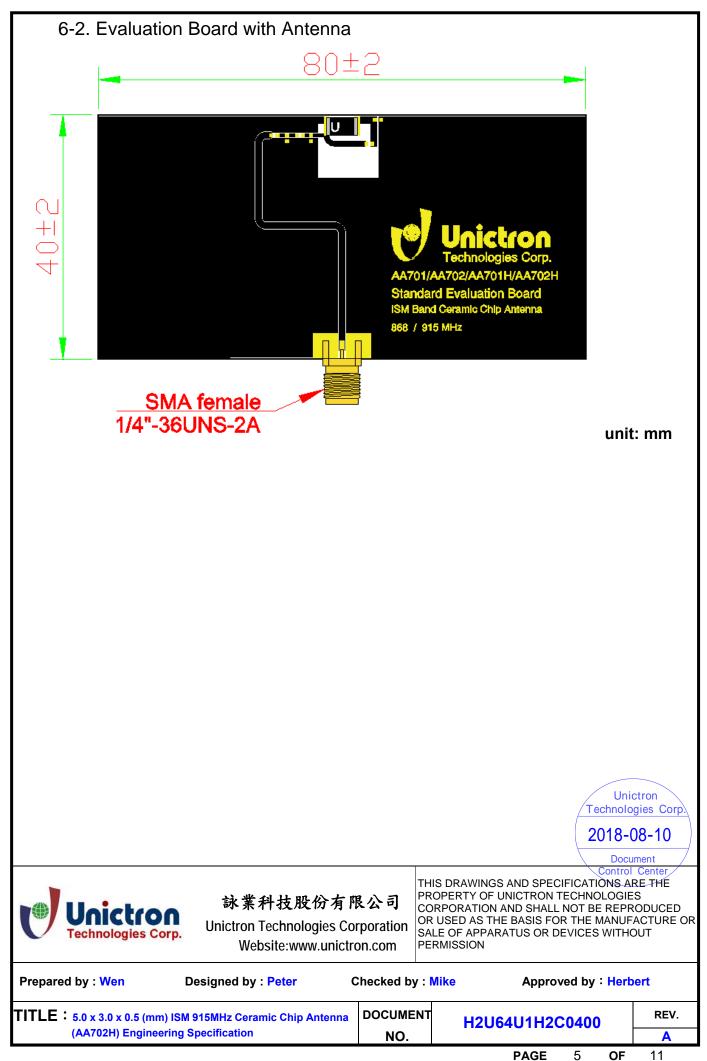
5-2-1. Electrical Table				
Characteristics.		Specifications.	Unit₀	
Outline Dimensions.		5.0 x 3.0 x 0.5	mm₽	
Ground Plane Dimensions.		80 x 40+	mm₽	
Working Frequency.		863~870	MHz₽	
VSWR (@ center frequency)*.		2 Max	ę	
Characteristic Impedance.		50 ₽	Ωø	
Polarization		Linear Polarization.	ę	
Peak Gain₀	(@868 MHz)₊	0 <mark>(</mark> typical)₀	dBi₽	
Efficiency.	(@000 mi iz)*	47 (typical)₀	%₊∂	

*Center frequency means the frequency with the lowest value in return loss of the chip antenna on the evaluation board.4¹ **A typical value is for reference only, not guaranteed.4¹



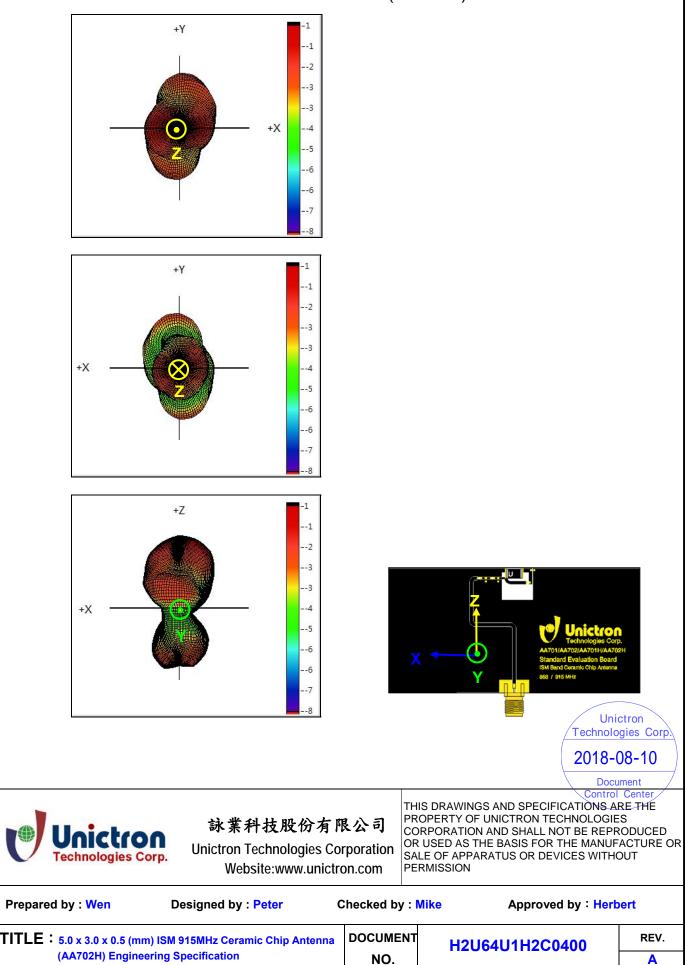
5-2-2. Frequency vs. V.S.W.R. and Total Radiation Gain



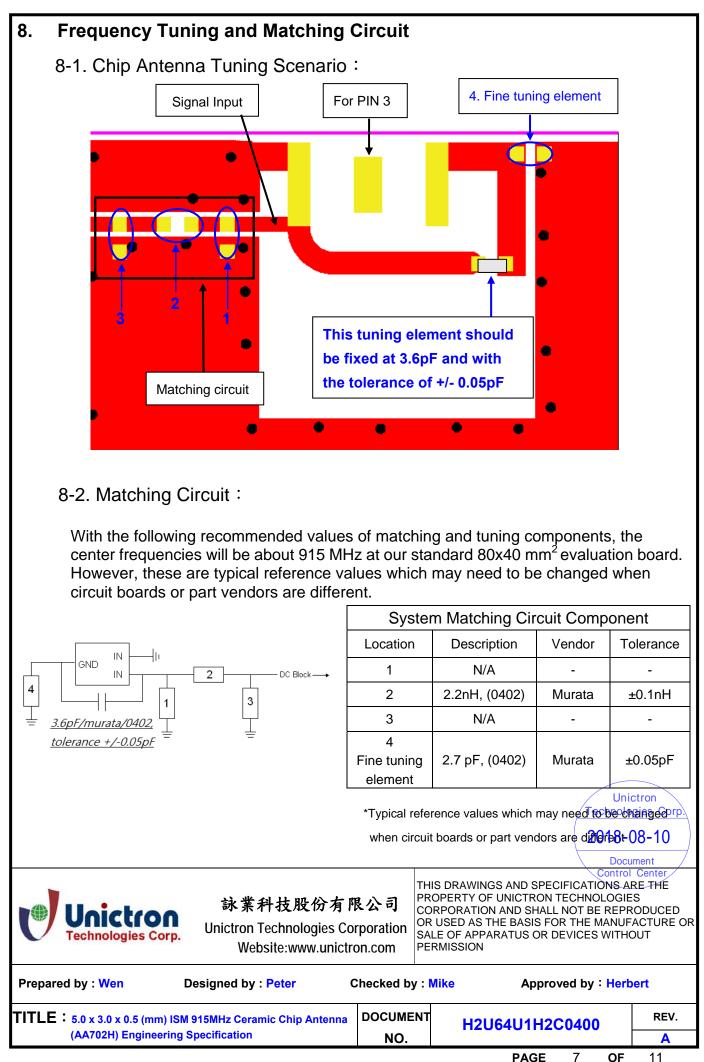


7. 3D Radiation Gain Pattern (with 80 x 40 mm² Evaluation Board)

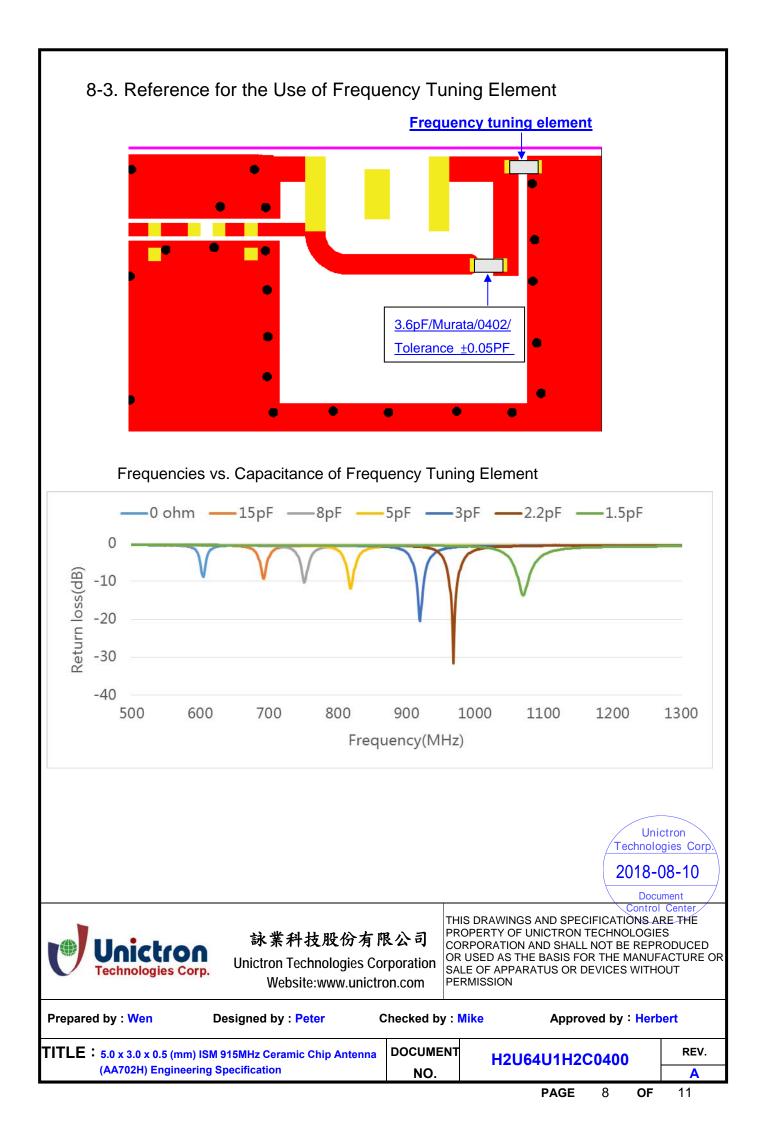
3D Radiation Gain Pattern @ 915 MHz (unit: dBi)

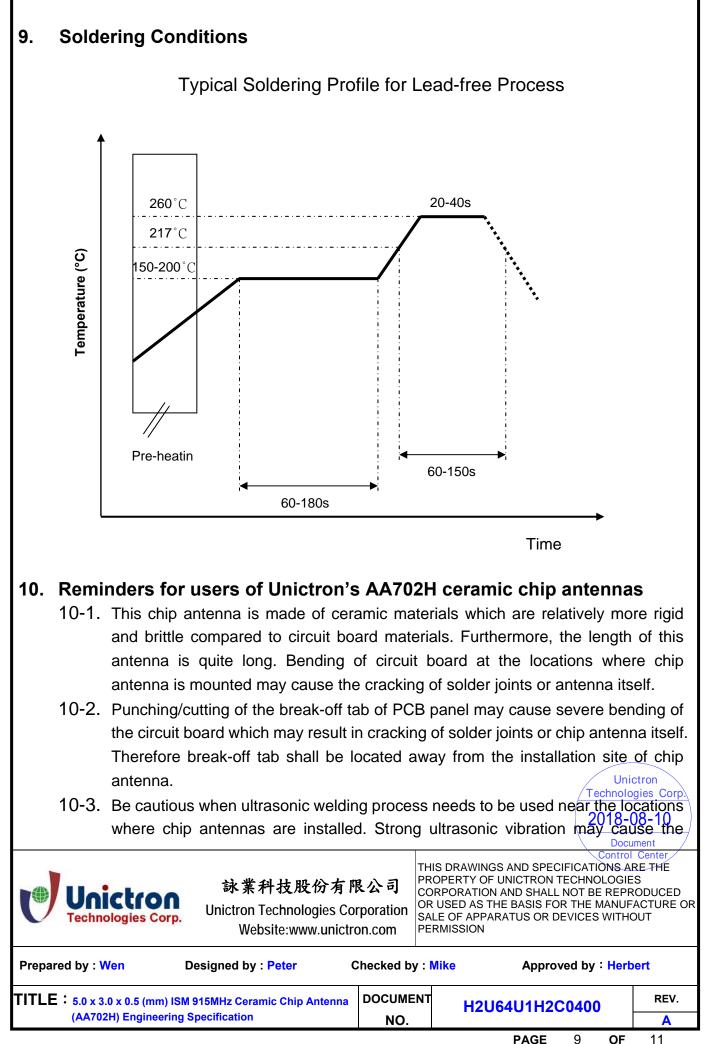


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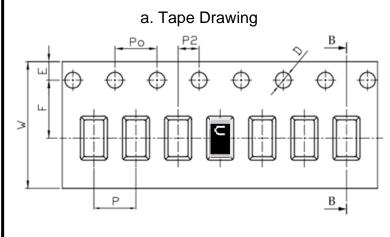




cracking of chip antenna solder joints.

11. Packing

- (1) Quantity/Reel: 6000 pcs/Reel
- (2) Plastic tape:



b.	Tape	Dimensions	(unit:	mm)	
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Feature	Specifications	Tolerances		
W	12.00	±0.30		
Р	8.00	±0.10		
E	1.75	±0.10		
F	5.50	±0.10		
P2	2.00	±0.10		
D	1.20	+0.10		
	1.20	-0.00		
Po	4.00	±0.10		
10Po	40.00	±0.20		

12. **Operating & Storage Conditions**

12-1. Operating

- (1) Maximum Input Power: 2 W
- (2) Operating Temperature: -40°C to 85°C
- (3) Relative Humidity: 10% to 70%

12-2. Storage (sealed)

- (1) Storage Temperature: -5° C to 40° C
- (2) Relative Humidity: 20% to 70%
- (3) Shelf Life: 1 year

12-3. Storage (unsealed)

Meet the criteria of J-STD-033 MSL2a

12-4. Storage (After mounted on customer's PCB with SMT process)

- (1) Storage Temperature: -40° C to 85° C
- (2) Relative Humidity: 10% to 70%



Document Control Cente

Unictron Technologies Corp.





Prepared by : Wen	Prepared by : Wen Designed by : Peter C		ike Approved by : Herber		ert	
TITLE : 5.0 x 3.0 x 0.5 (mm) ISM 915MHz Ceramic Chip Antenna (AA702H) Engineering Specification		DOCUMENT	H2U64U1H2	H2U64U1H2C0400		REV.
		NO.				
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13. Notice

(1) Installation Guide:

Please refer to Unictron's application note "General guidelines for the installation of Unictron's chip antennas" for further information.

(2) All specifications are subject to change without notice.

