

## UWB 6000-8100 MHz EMBEDDED CHIP ANTENNA

**Part Numbers: 2108851-1**

### FEATURES & BENEFITS

- UWB 6000-8100 MHz
- Embedded Ceramic Chip Antenna
- On Board SMD Antenna
- Available in tape & reel
- The following data is based on 20 x 24 mm ground size

### SPECIFICATIONS

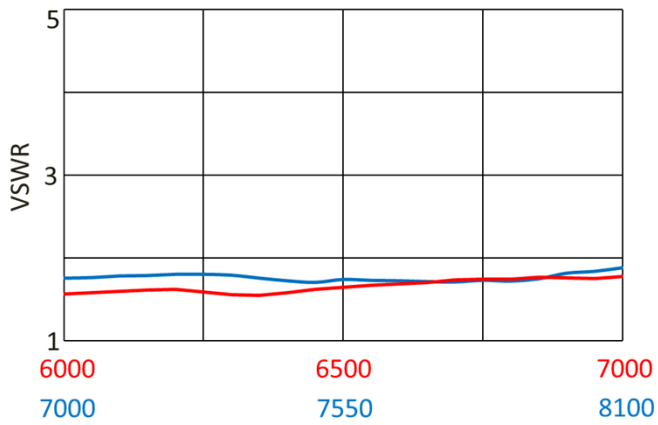
Frequency Range (MHz)	6000-7000	7000-8100
VSWR	< 1.8:1	< 1.9:1
Average Efficiency	78%	71%
Peak Gain	2.8 dBi	5.0 dBi
Average Gain	-1.1dBi	-1.5dBi
Feed Point Impedance	50 ohms	
Polarization	Linear	
Size	4.0 mm x 2.0 mm x 1.2 mm	
Weight	< 0.04 g	
Mounting	Surface mount	
Mating Connector	N/A	
Cable	N/A	
Operating Temperature	-40 to +85°C	
Storage Temperature	-40 to +85°C	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

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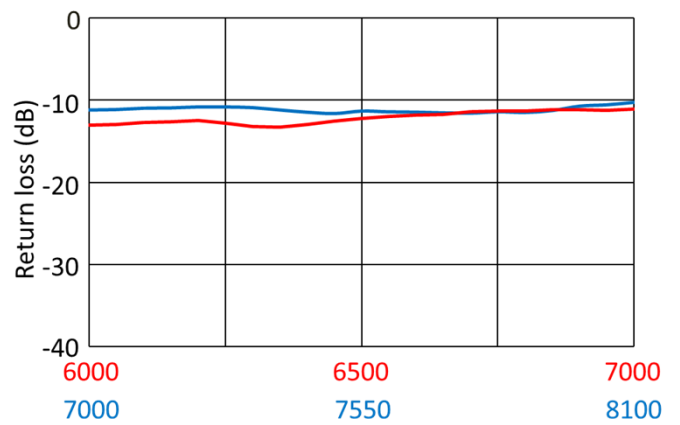
Standard Antenna Solutions

## RF DATA

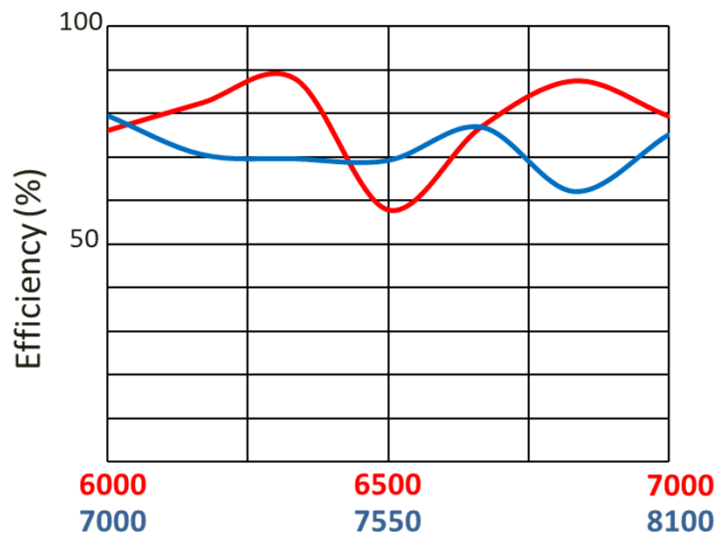
### VSWR



### Return Loss



### Efficiency

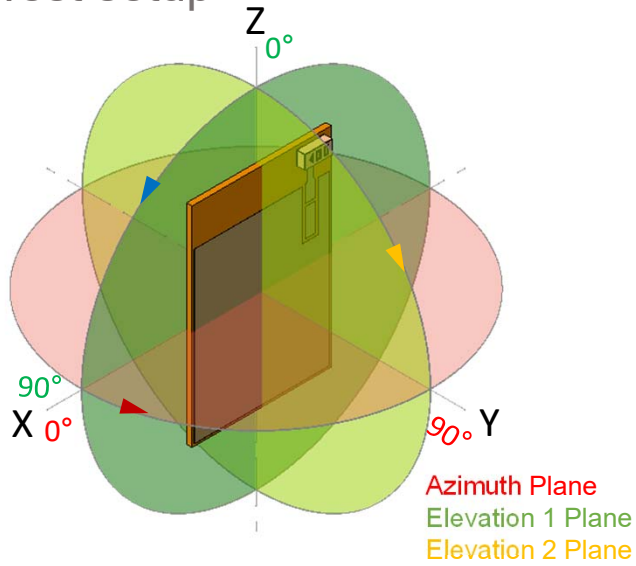


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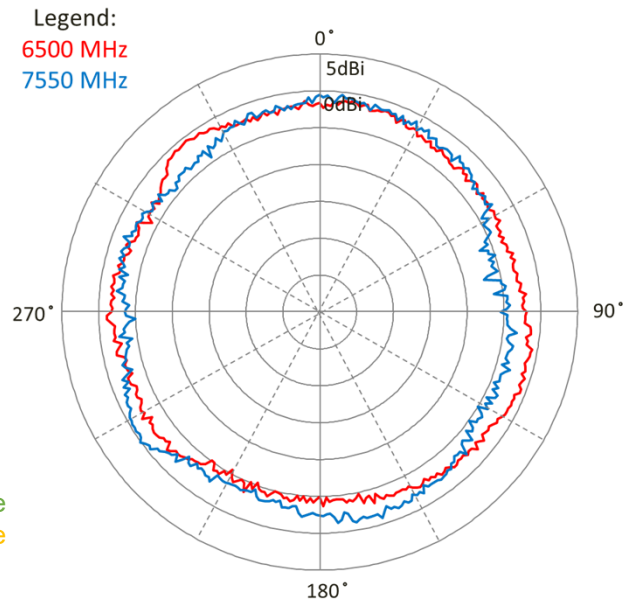
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## RADIATION PATTERN

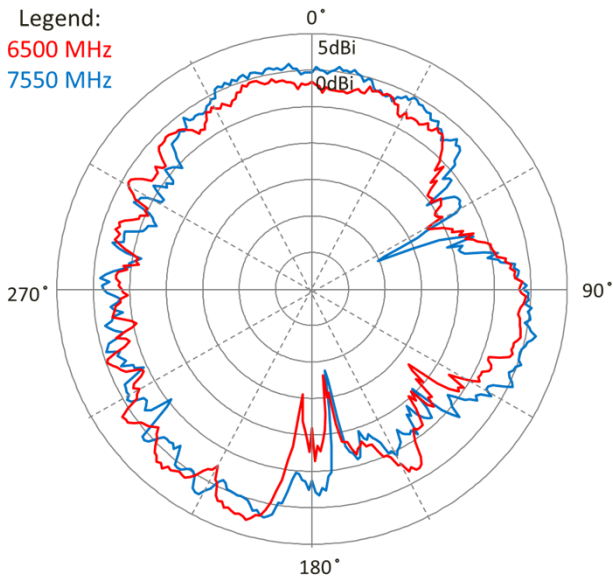
Test setup



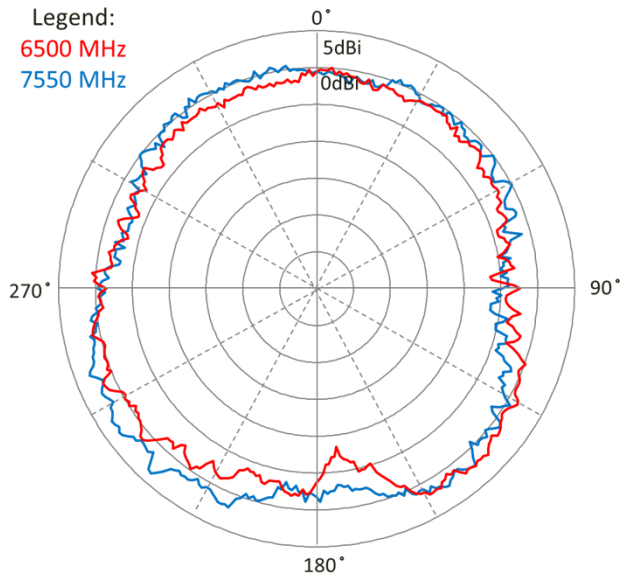
Azimuth



Elevation 1



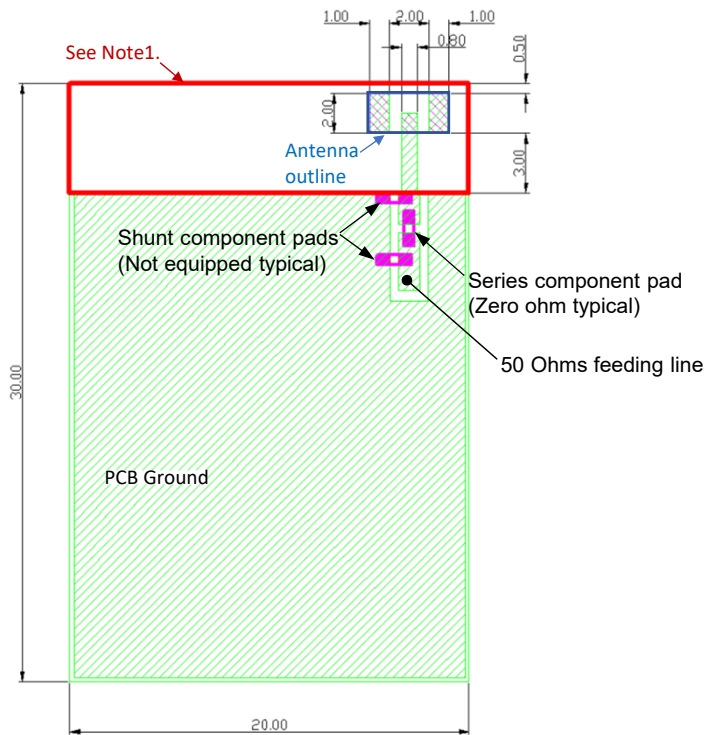
Elevation 2



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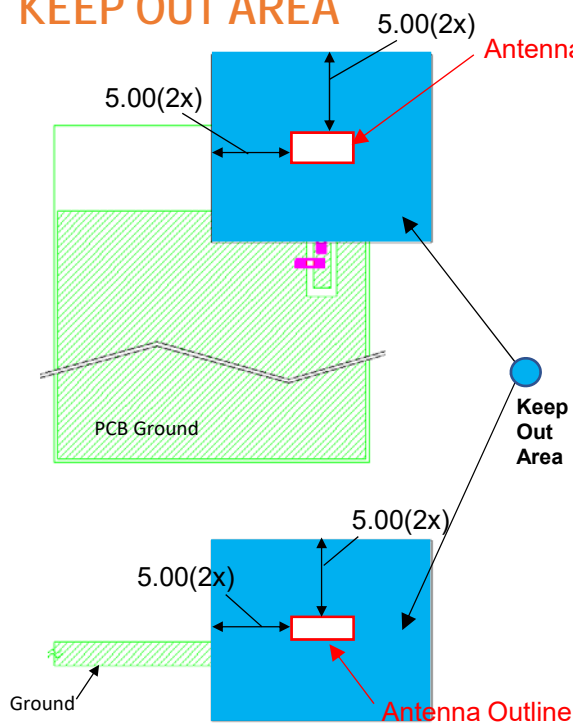
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## MOUNTING GUIDE

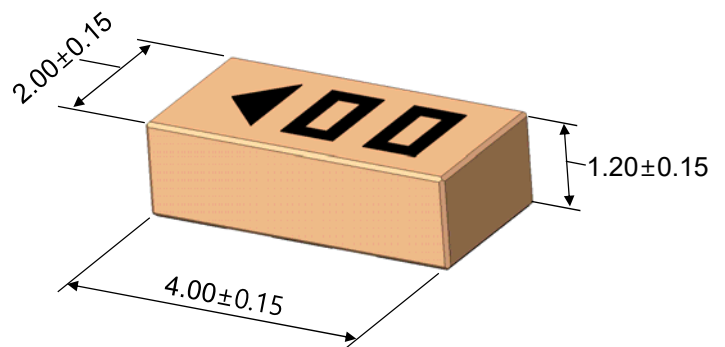


- NOTES: 1. No copper allowed in designated area on all PCB layers –   
 2. Measured with above matching circuit condition.  
 3. For more information please call TE.

## KEEP OUT AREA



## DIMENSIONS

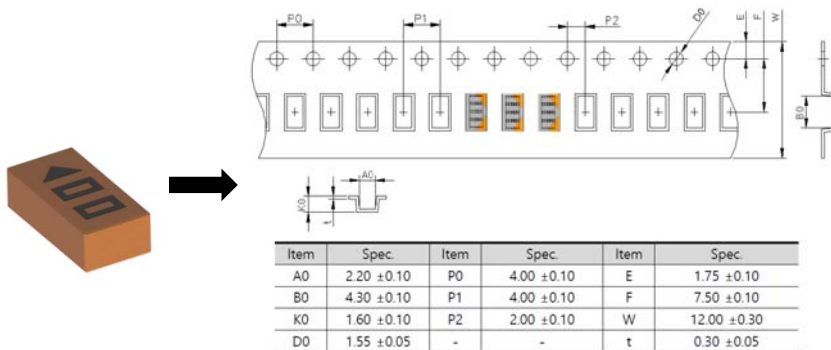


Dimension: mm  
Diagrams is not to scale

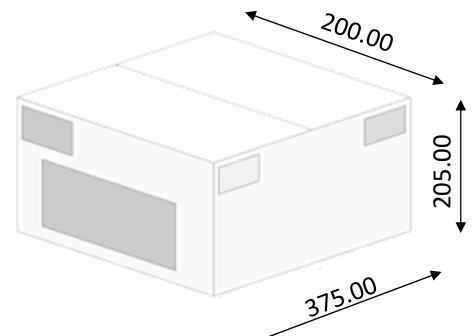
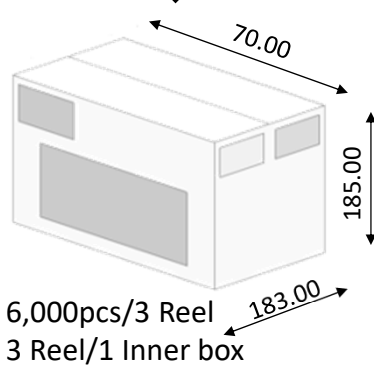
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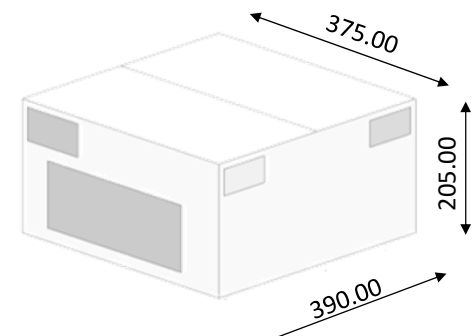
## PACKAGING



2,000pcs/1Reel  
Ø7" x 16 mm



30,000pcs/5 Inner box  
5 Inner box/1 Outer box #1



60,000pcs/10 Inner box  
10 Inner box/1 Outer box #2

### TE TECHNICAL SUPPORT CENTER

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- Latin/S. America: +54 (0) 11-4733-2200
- Germany: +49 (0) 6251-133-1999
- UK: +44 (0) 800-267666
- France: +33 (0) 1-3420-8686
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