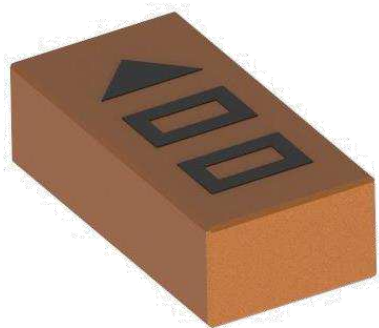




UWB 5900-8300 MHz EMBEDDED CHIP ANTENNA

Part Numbers: 2108851-1

FEATURES & BENEFITS

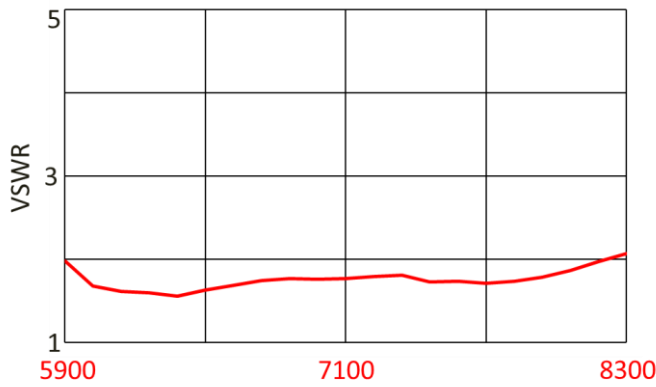
- UWB 5900-8300 MHz , Channel 5-9
- Embedded Ceramic Chip Antenna
- SMD assembly
- Available in tape & reel
- The following data is based on 20 x 24 mm ground size

SPECIFICATIONS

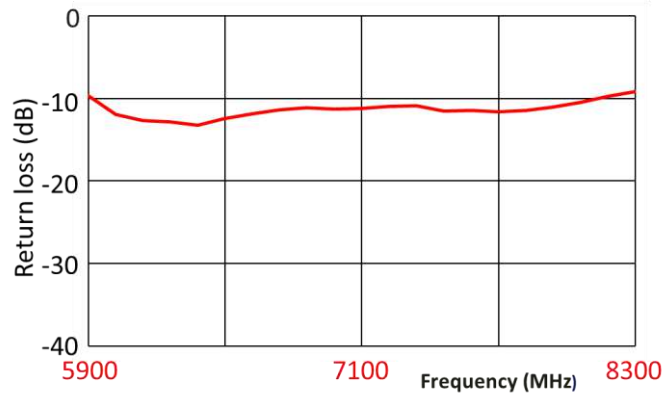
Frequency Range (MHz)	5900-8300
VSWR	< 2.1:1
Average Efficiency	74%
Peak Gain	4.1 dBi
Average Gain	-1.3dBi
Feed Point Impedance	50 ohms
Polarization	Linear
Size	4.0 mm x 2.0 mm x 1.2 mm
Weight	< 0.04 g
Mounting	SMD
Mating Connector	N/A
Cable	N/A
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Hazardous Materials	A certificate of conformance is available from the product page on TE website.

RF DATA

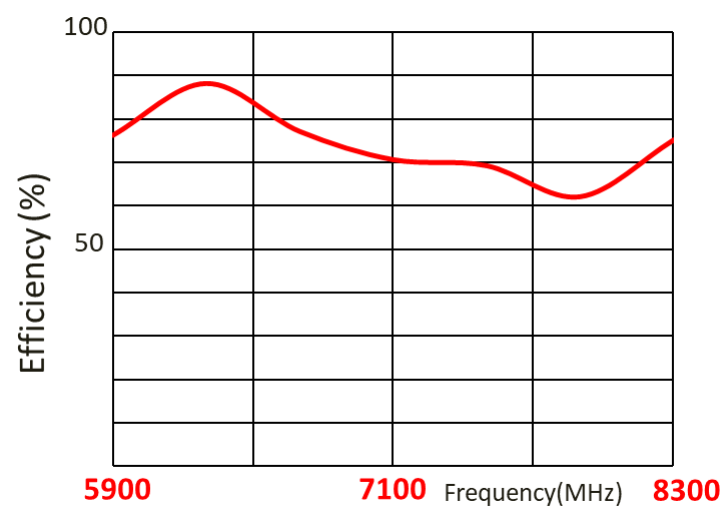
VSWR



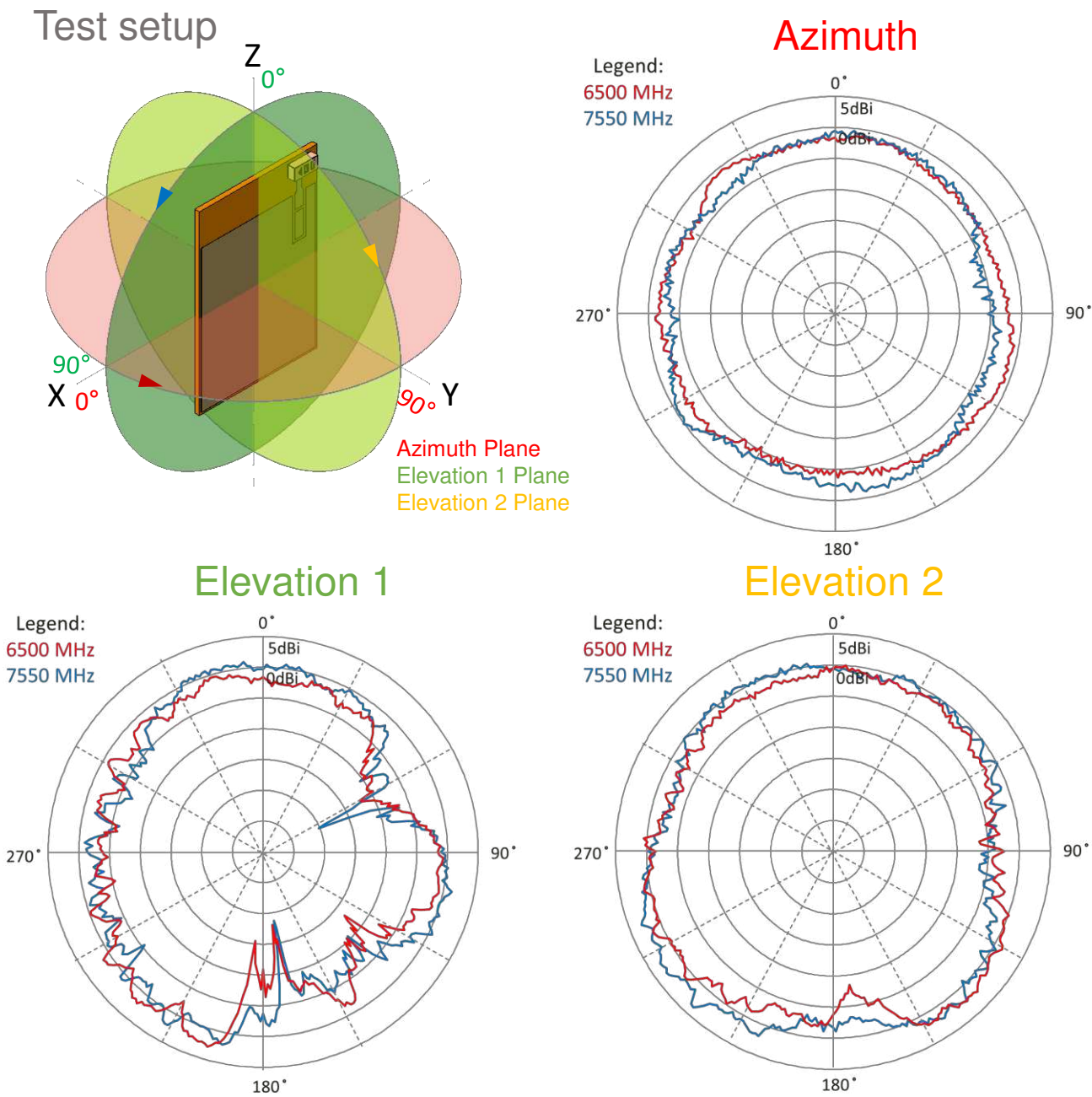
Return Loss



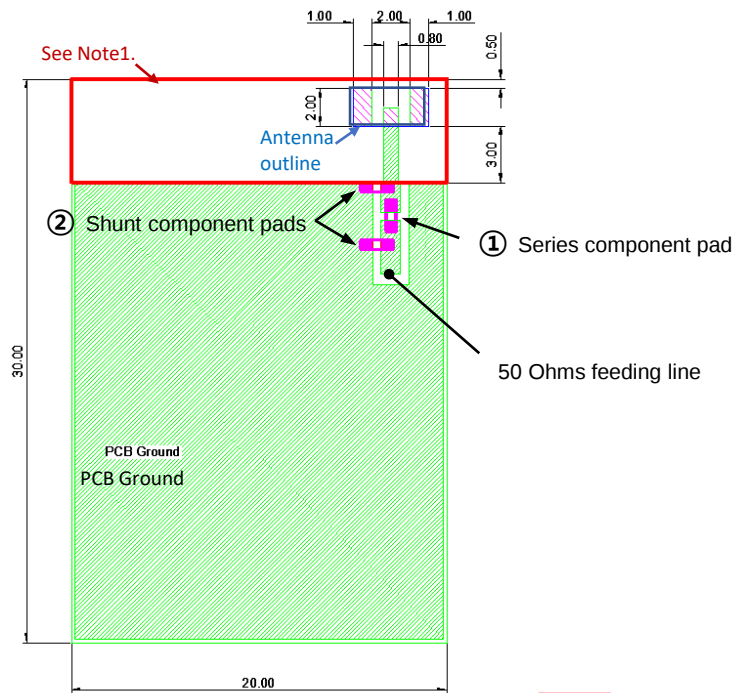
Efficiency



RADIATION PATTERN



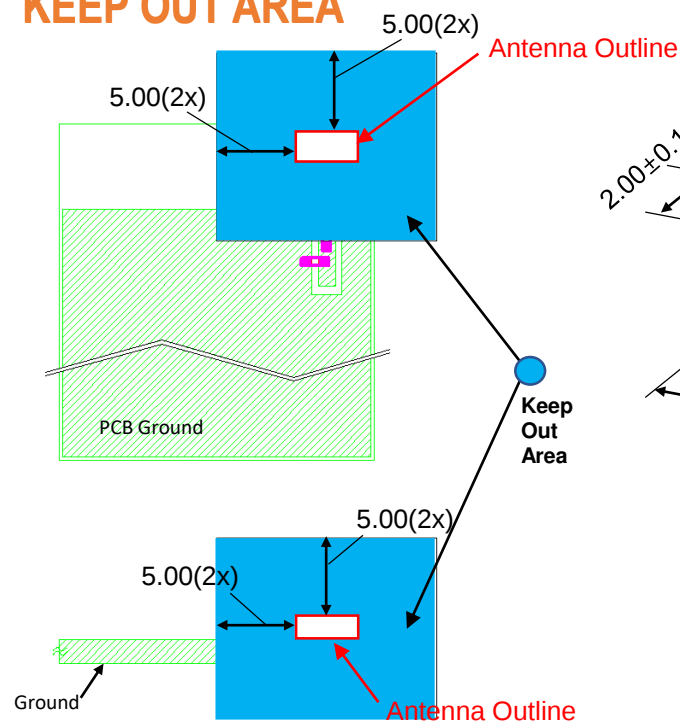
MOUNTING GUIDE



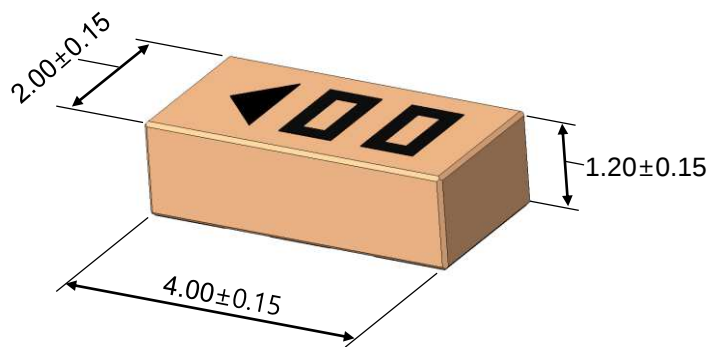
- NOTES: 1. No copper allowed in designated area on all PCB layers – 
2. Measured with above matching circuit condition.
3. For more information please call TE.
4. Measured with below matching circuit condition.
- ① 100pF ② NC

Dimensions: mm
Diagram is not to scale

KEEP OUT AREA

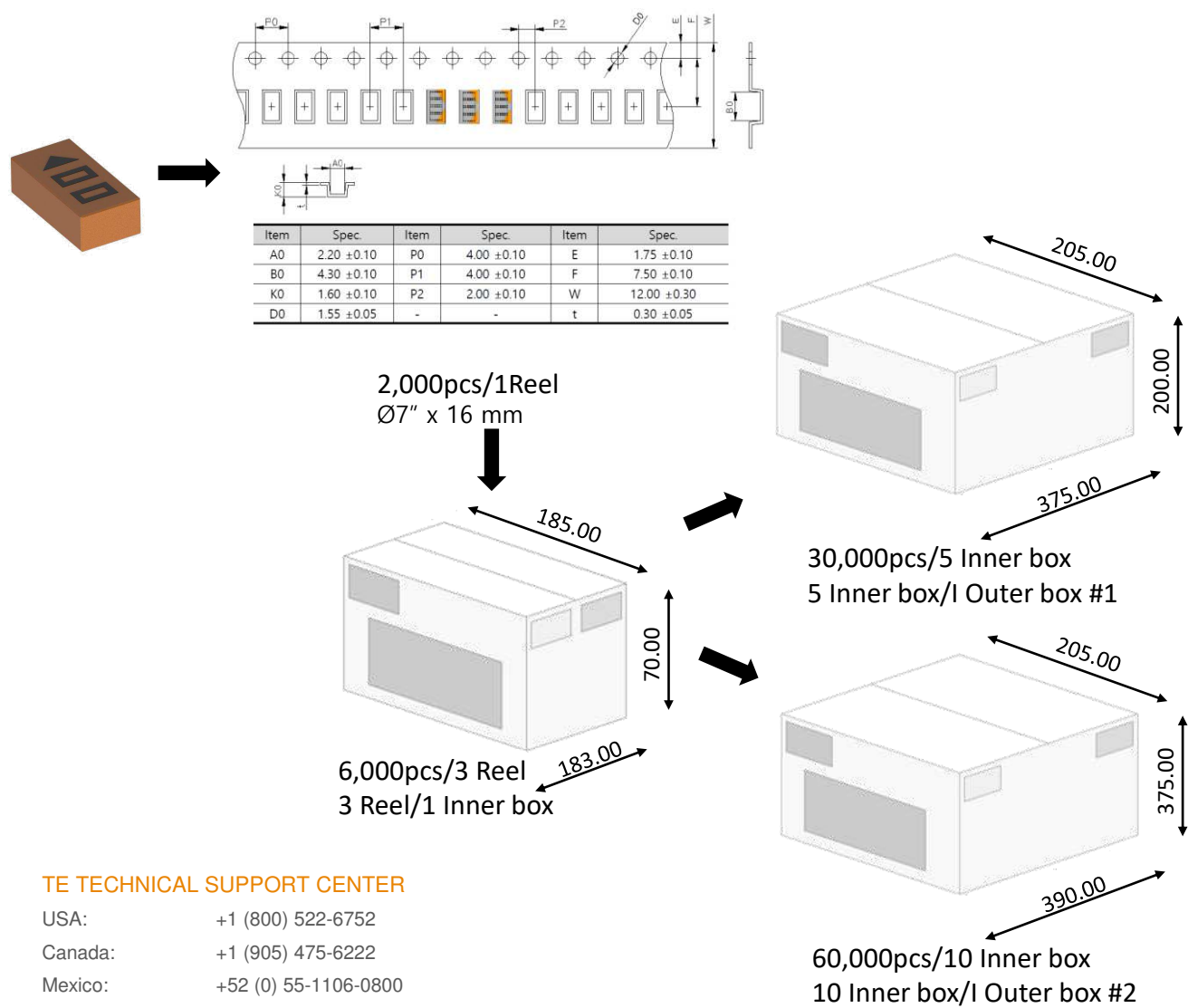


DIMENSIONS



Dimensions: mm
Diagram is not to scale

PACKAGING



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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
- Netherlands: +31 (0) 73-6246-999
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03/2023

