

2400-2483.5 MHz SINGLE BAND ANTENNA

Part Numbers: 1513430-1, 1513430-2

FEATURES & BENEFITS

- IEEE802.11 b/g, shares the same frequency range as Bluetooth and ZigBee
- Global Frequency coverage
- On board SMD mount PCB antenna
- Minimum or no matching circuits required.
- Minimal keep out zone requirement
- Performance dependent on ground plane size and design
- Available in Tape & Reel packaging for automatic mounting

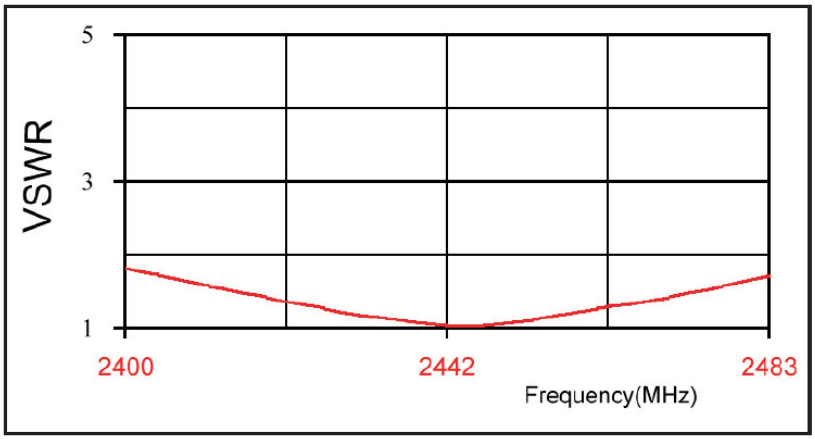
SPECIFICATIONS

Frequency Range (MHz)	2400-2483.5
VSWR	< 2.0:1
Average Efficiency	65%
Peak Gain	+0 dBi
Average Gain	-1.9dBi
Power Handling	10 Watt cw
Feed Point Impedance	50 ohms
Polarization	Linear
Size	12.85 mm x 3.76 mm x 0.79 mm
Weight	< 0.5 g
Mounting	Surface mount
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Packaging Specification	Bag & Box / Tape & Reel
Hazardous Materials	A certificate of conformance is available from the product page on TE website.
Data measured in free space and on reference ground plane of 30 mm length and 35 mm width, application data might vary	

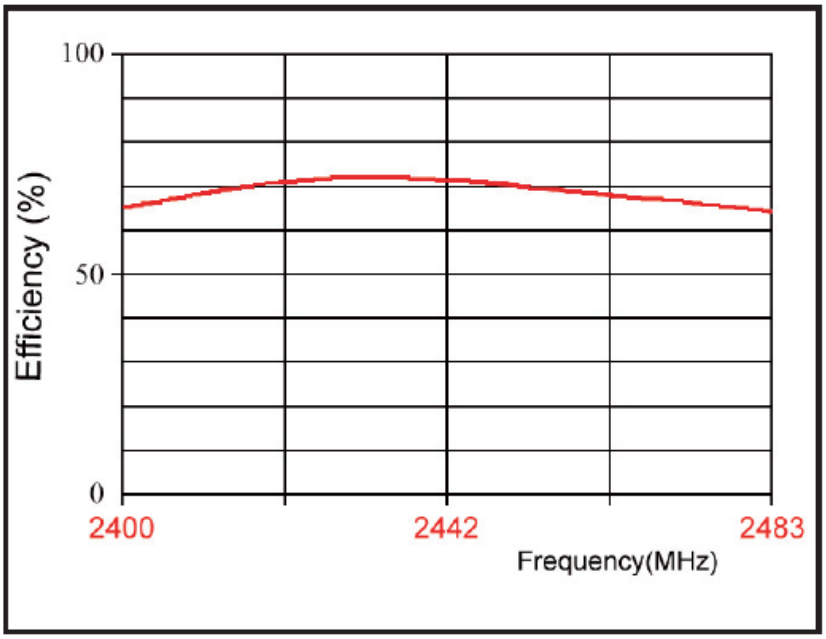
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RF DATA

VSWR



Efficiency

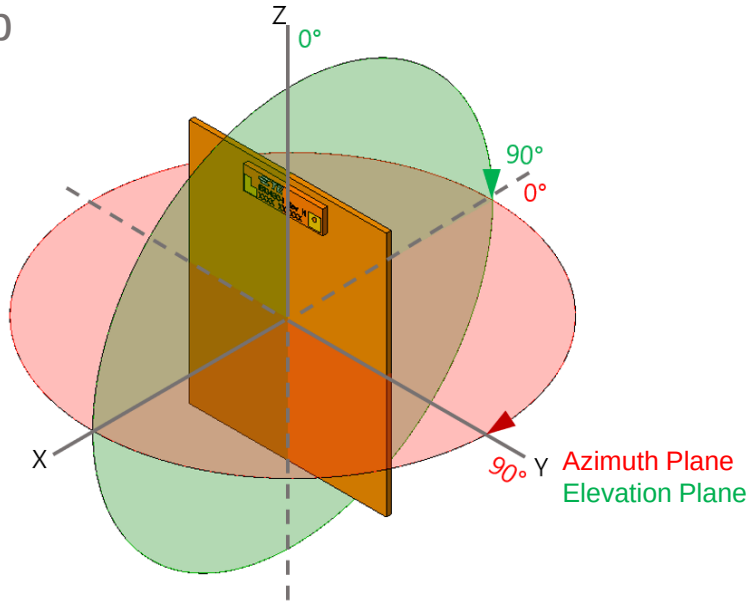


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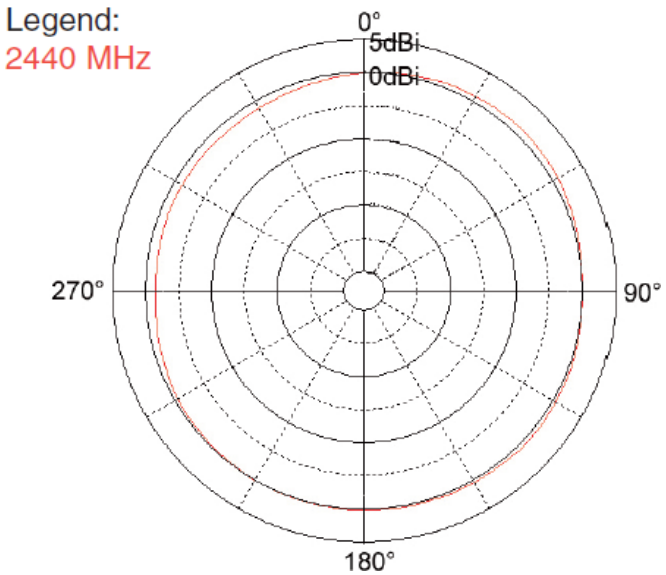
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RADIATION PATTERN

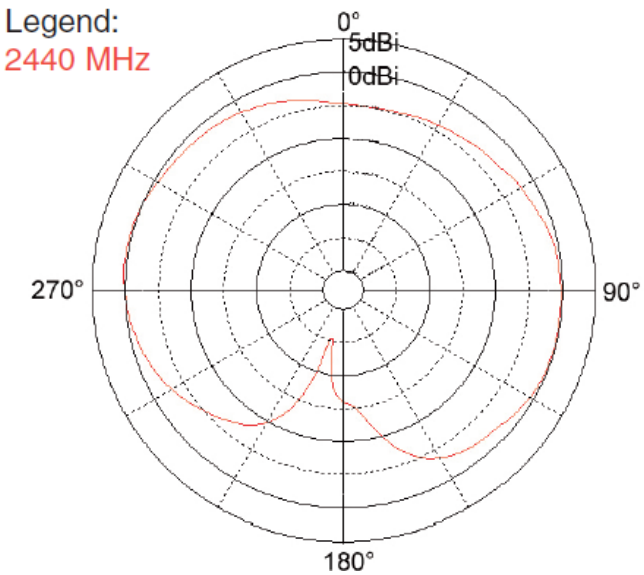
Test setup



Azimuth



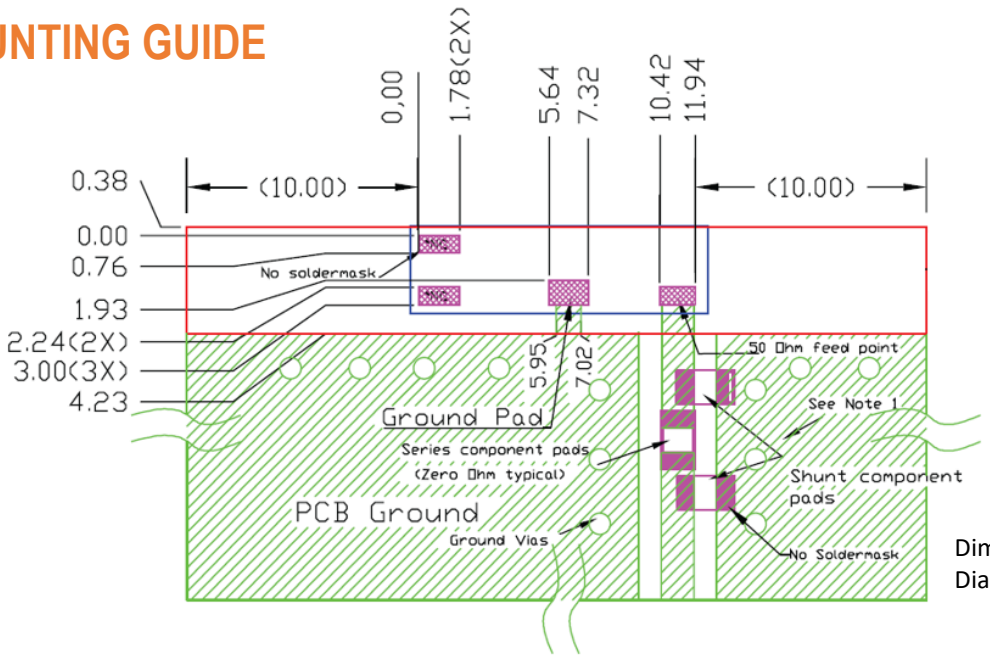
Elevation



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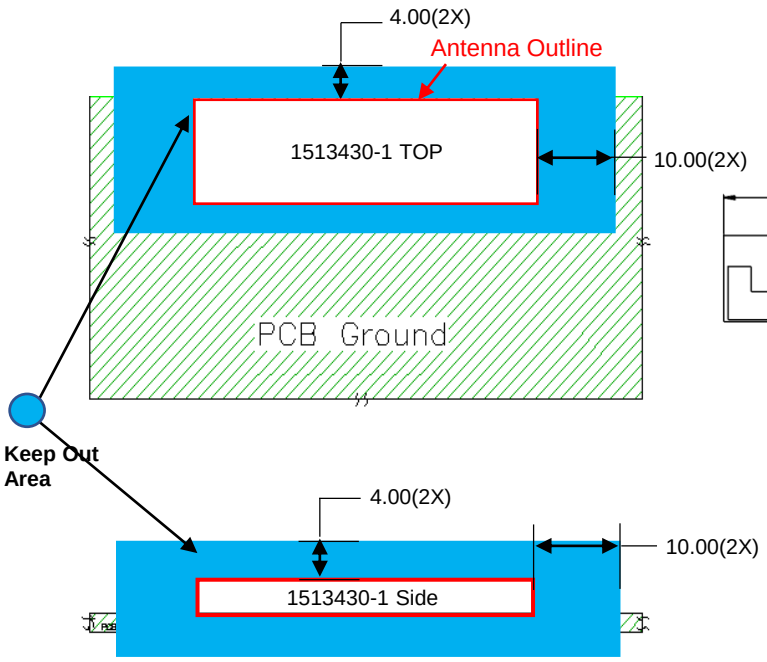
MOUNTING GUIDE



Dimension: mm
Diagrams is not into scale

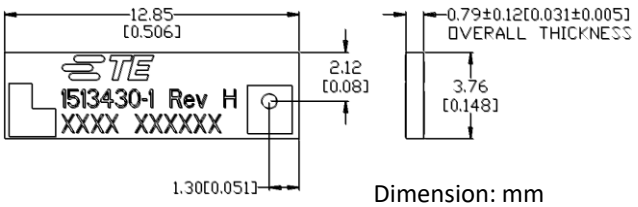
NOTES: 1. Suggested matching component pads
2. Antenna must be mounted on the edge of PCB.
3. NC = No connection (mechanical mounting pads).
4. For more information please call TE.

KEEP OUT AREA



Dimension: mm
Diagrams is not into scale

DIMENSIONS

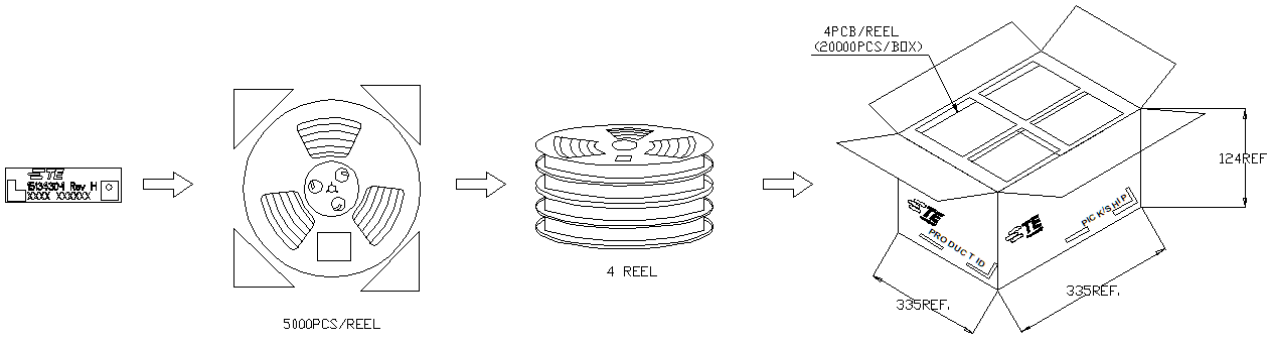


Dimension: mm
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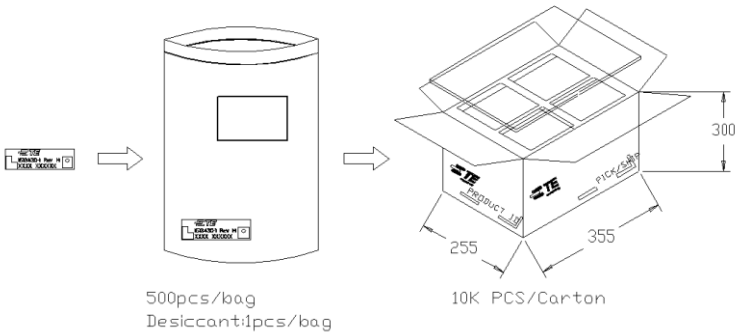
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PACKAGING

1513430-1 (TAPE & REEL)



1513430-2 (BULK)



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