

Antenna Solutions

# 902 - 928 MHz Single Band Antenna (includes frequencies of 915 ISM and ZigBee US)

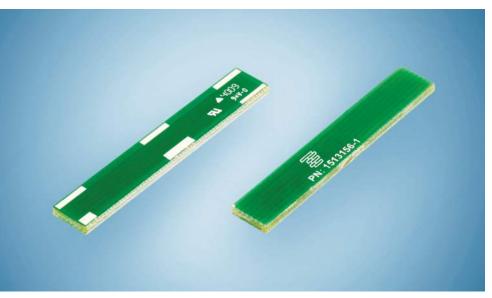
# Part Number: 1513156-1

# **Product Facts**

- Small and lightweight
- Available in tape & reel
- RoHS compliant

## **Recommendations**

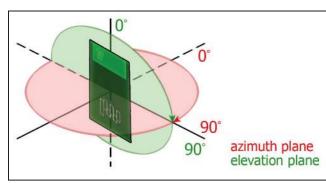
- Minimum or no matching circuits required.
- Bandwidth and performance is dependent on ground plane size. Suggested minimum ground plane length from the antenna feed is 90 mm.
- PCB ground is to be on top layer.



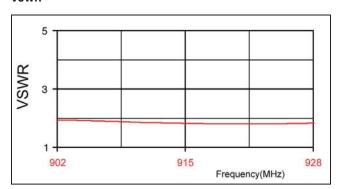
# **Specifications**

Frequency Range (MHz)	902 –928
Peak Gain	+1 dBi
VSWR	< 2.5:1
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	38.10 mm x 6.60 mm x 1.57 mm
Weight	< 0.9 g.
Mounting	Surface-mount technology. See page 2
Keep Out Area	See diagram on page 2

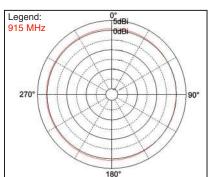
# **Test Orientation in Free Space**



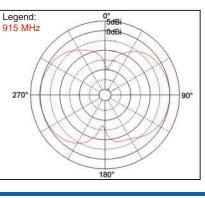
VSWR



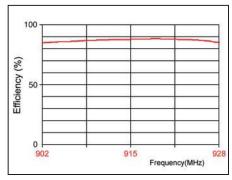
#### Azimuth



## Elevation



Efficiency



Catalog 2-1773459-2 Revised 03-11

www.te.com www.antenna.te.com Dimensions are in inches and millimeters unless otherwise sspecified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

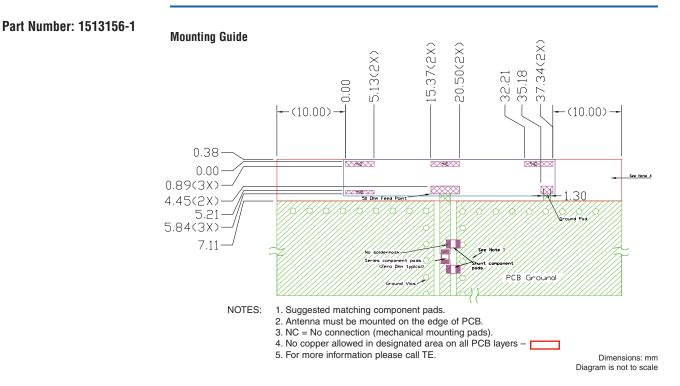
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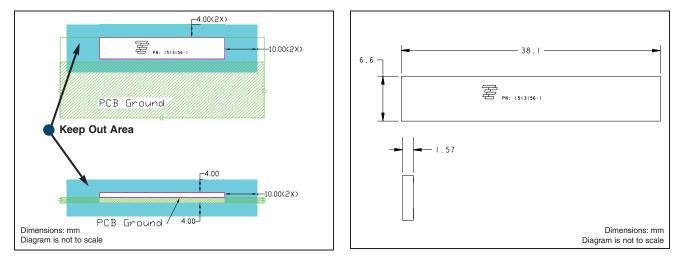
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#### **Keep Out Area**

#### Approx. Dimensions



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While TE has made every reasonable effort to ensure the accuracy of the information in this cata-

Consult TE for the latest dimensions and design specifications.

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Dimensions are shown for