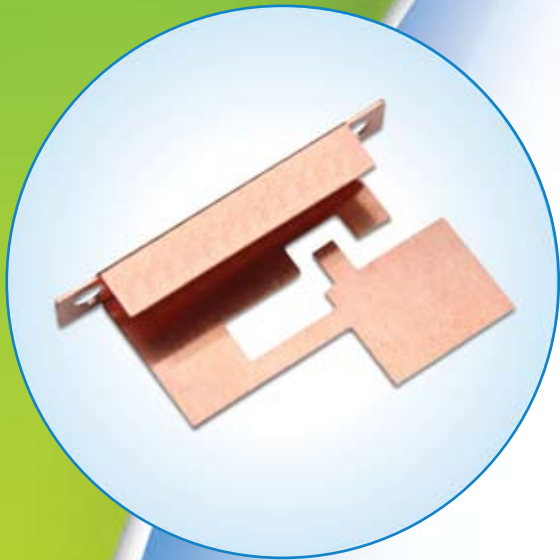


Airgain)))

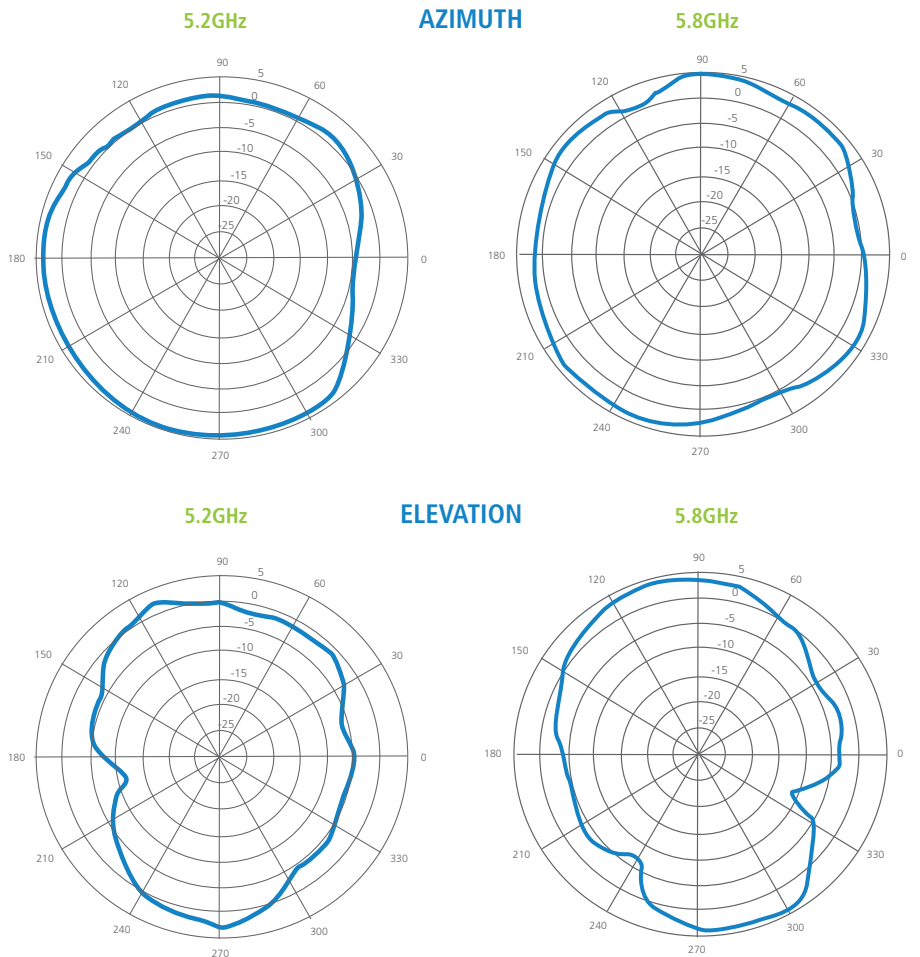


Ultra 540C Antenna

High gain, case mounted embedded antenna for easy integration

The Ultra 540C Embedded Antenna provides a high efficiency, embedded antenna solution for Wi-Fi and ISM applications in the 5 GHz band. As efficient embedded antenna solutions become the focus of next generation wireless product design, the Ultra 540C antenna provides the combination of small size with top performance. This antenna was designed to accommodate most WLAN applications, such as access points, routers, and gateways. The Ultra540C is tuned to be mounted on the case, providing easy integration into any ID design.

ANTENNA RADIATION PATTERNS



FEATURES

- ▶ IEEE 802.11 a/n standard
- ▶ Plastic case mounting

BENEFITS

- ▶ High efficiency
- ▶ Quick integration

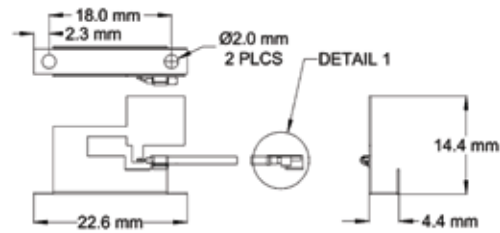
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Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11 a
Frequency Band	4.9 to 5.9GHz
Peak Gain	3.2 dBi @ 5.2 GHz, 4.4 dBi @5.8 GHz
VSWR	2:1 Max
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	50 ohm, 1.13mm diameter, micro coax cable, U.FL Compatible Plug termination (optional), Cable mounted EMI ferrites (optional)
Dimensions	22.6 x 14.4 x 4.4 (mm)
Weight	1.5 g (0.06 oz)

MECHANICAL DIMENSIONS



Detail 1 shows correct cable and connector orientation

Figure 4
Model M5x20C Dimensions

MOUNTING

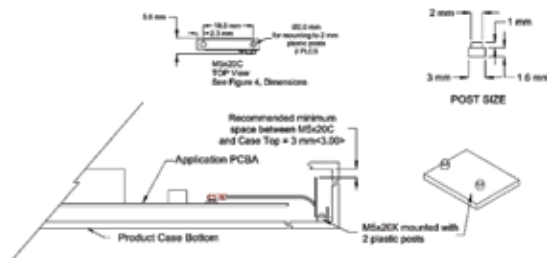


Figure 5a

ILLUSTRATION 1: Side view. Post size and case top clearance considerations when using plastic posts to mount M5x20C

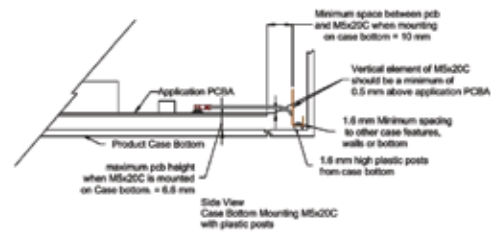


Figure 5b

ILLUSTRATION 2: Side view. Using plastic posts to mount M5x20C

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