

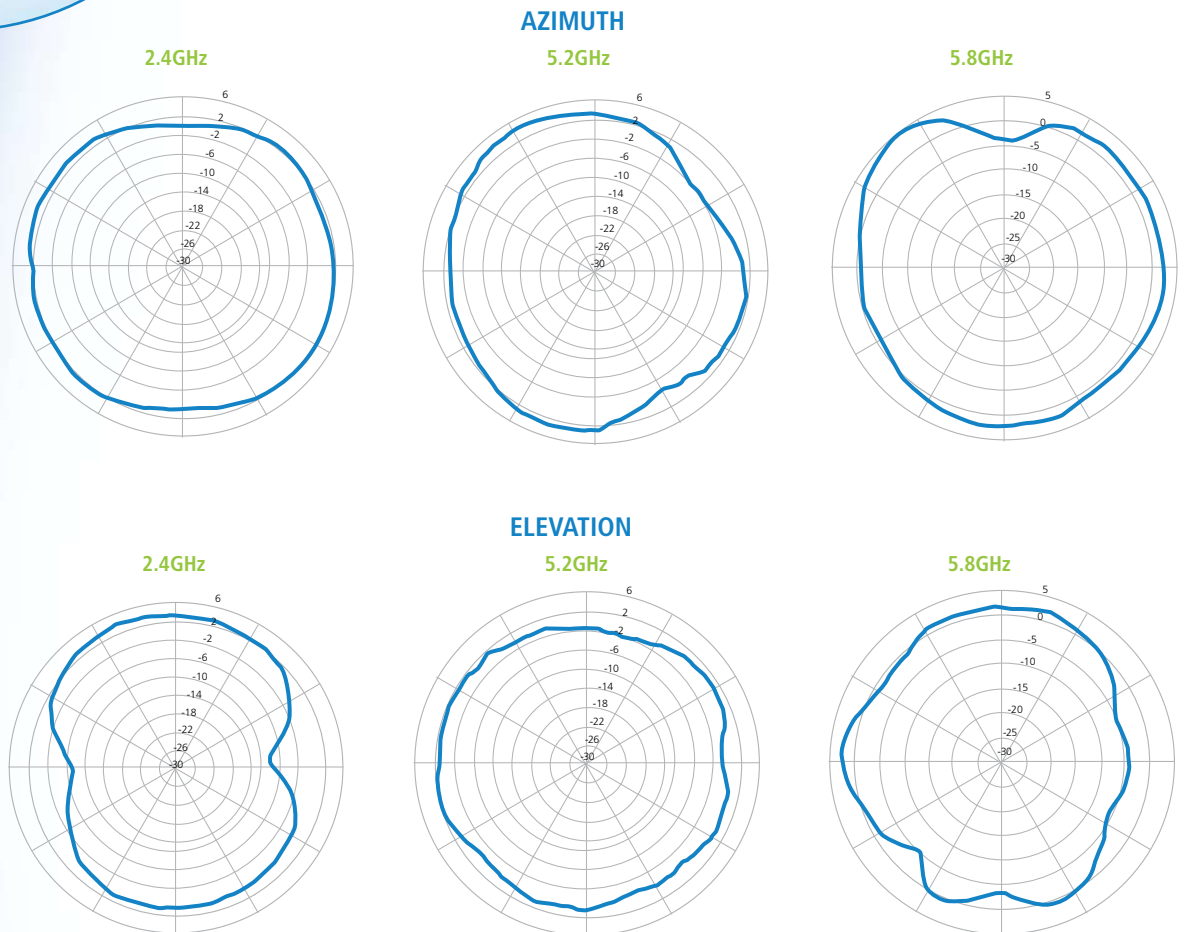
Airgain)))

Ultra 35DB Antenna

High gain, case mounted embedded antenna for easy integration

The Ultra 35DB Embedded Antenna provides a high efficiency, dual band, embedded antenna solution for Wi-Fi and ISM applications in the 2.4 GHz and 5 GHz bands. As efficient embedded antenna solutions become the focus of next generation wireless product design, the Ultra35DB 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 Ultra35DB, optimized for mounting in a plastic case, can be easily integrated into an ID design.

ANTENNA RADIATION PATTERNS



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FEATURES

- 802.11 a/b/g/n standard
- Case mounting
- 4 dBi peak gain

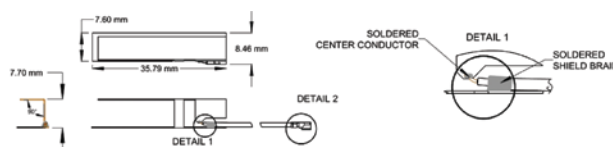
BENEFITS

- Eliminates external dipole
- Enables quick integration
- Achieves high performance

Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11 a/b/g
Frequency Band	2.4 to 2.49 GHz, 4.9 to 5.9GHz
Peak Gain	3.5 dBi @2.44GHz, 4.0 dBi @ 5.2 GHz, 4.0 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 cable connector (optional) Cable mounted EMI ferrites (optional)
Dimensions	35.8 x 8.5 x 7.7 (mm)
Weight	1.7 g (0.06 oz)

MECHANICAL DIMENSIONS



Detail 1 shows correct cable soldering

Detail 2 shows correct cable and connector orientation

Figure 5a

Model M2450DLCB Dimensions

Unless otherwise specified, dimension tolerances are +/- 0.1 mm

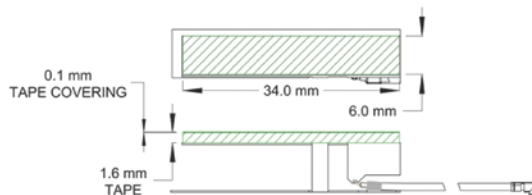


Figure 5b

Model M2450DLCB-T: Pre-applied Tape Dimensions

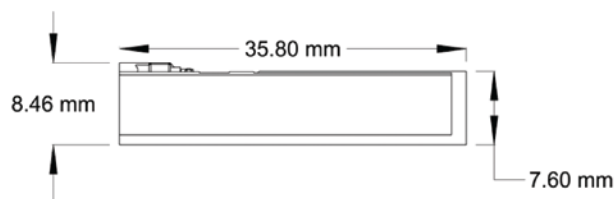


Figure 6

Model M2450DLCB Footprint

Unless otherwise specified, dimension tolerances are +/- 0.1 mm

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