Laird
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InWave Series Antenna
IN800/5900-5



MULTI-BAND OPERATION INWAVE SERIES ANTENNA

The multi-band InWave Series of indoor omnidirectional antenna systems offered by Laird are designed for in-building transmission of cellular telephone and wireless LAN signals. Because of the multi-band design, a single antenna can be used to service the building occupant's total wireless needs. The antennas are constructed of UL94-V0 white ABS plastic. The low profile attractive styling blends well in almost any office or home environment. Mounting is simplified with a single hole mount design to easily mount to drop ceilings or fixed ceilings. The antenna comes with a bulkhead N Female connector standard which is long enough to mount thru a max 1" thick ceiling.

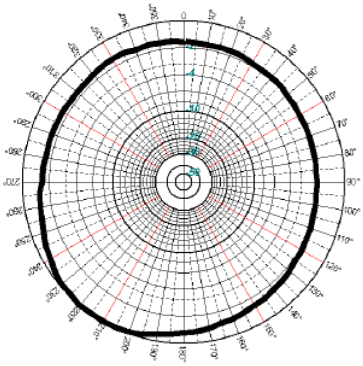
FEATURES RoHS

- High gain omnidirectional indoor antenna
- Operates simultaneously on Cell, GSM, PCS, Wimax, and ISM
- Attractive housing ; UL listed materials
- Surface mount in drop ceiling or solid ceiling
- Vertical polarization
- Type N female connector

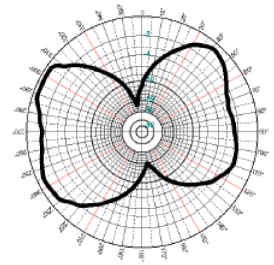
MARKETS

- 806 - 960MHz CELL/GSM
- 1710-1990MHz DCS/PCS/GSM
- 2300-2700MHz ISM (BT) & Wimax
- 3300-3800MHz Wimax
- 5150-5850MHz ISM

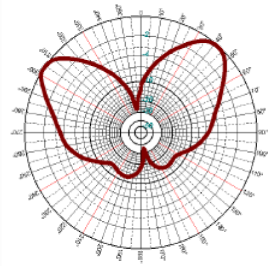
ANTENNA PATTERNS



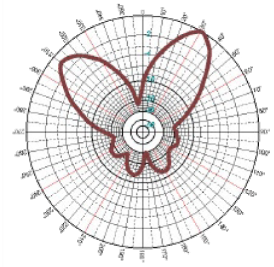
Typical Azimuth Pattern



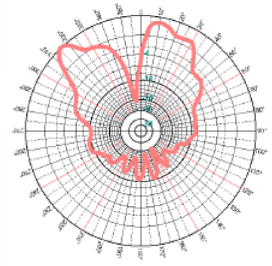
Elevation Pattern 806-960 MHz



Elevation Pattern 1710-1990 MHz



Elevation Pattern 2300-2700 MHz



Elevation Pattern 5100-5850 MHz

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SPECIFICATIONS

PARAMETER	SPECIFICATIONS
Frequency range	806-5850 MHz
Gain - 806-928 MHz GSM/ISM	2.2 dBi
Gain - 1710-1990 MHz PCS/GSM	2.2 dBi
Gain - 2300-2700 MHz 2.4GHz ISM/Wimax	5 dBi
Gain - 3300-3800 MHz 3.5GHz Wimax	3.5 dBi
Gain - 5150 – 5850 MHz 5.8GHz ISM	3.5 dBi
VSWR	1.8:1
Impedance	50 ohm
Input power	50 watts
Operating temperature	-10° to +70°C (14° to +158°F)
Mounting hole size	5/8” (16 mm)
Weight	13oz (369 grams)
Dimensions (diameter x height)	7.25” x 4.25” (184 x 108 mm)
Radome material	ABS

SYSTEM ORDERING

IN800/5900-5 Multi-Band Indoor Antenna

NOTES

- All shipments F.O.B. Schaumburg, IL 60173

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