Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

INWAVE SERIES ANTENNA

IN800/5900

MULTI-BRAND OPERATION

The multi-band InWave Series of indoor omnidirectional antenna systems offered by Laird Technologies 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 through a max 1" thick ceiling.

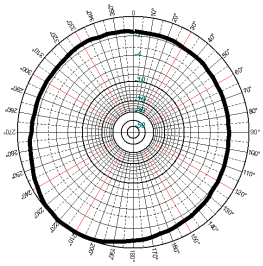
FEATURES AND BENEFITS:

- 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

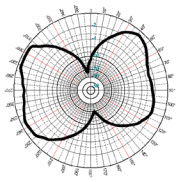
APPLICATIONS:

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

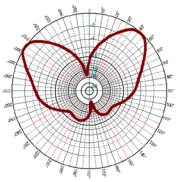
Parameter	Freq	Min	Typ	Max	Units
Frequency Range		806		5850	MHz
Gain	806-928 MHz GSM/ISM 1710-1990 MHz PCS/GSM 2300-2700 MHz 2.4GHz ISM/WiMax 3300-3800 MHz 3.5GHz WiMax 5150 – 5850 MHz 5.8GHz ISM		2.2 2.2 5 3.5 3.5		dBi
VSWR			1.5:1		
Impedance			50 Ω		OHM
Input Power			50		W
Operating Temperature		-10 (14°F)		+70 (+158°F)	°C
Mounting Hole Size		5/8 (16)			In (mm)
Weight		13 (369)			Oz (gm)
Dimension (Dia x Hieght)		7.25 x 4.25 (184 x 108)			In (mm)
Radome Material		ABS			



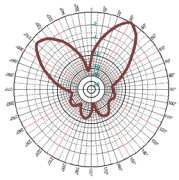
Typical Azimuth Pattern



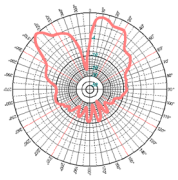
Elevation Pattern 806-960 MHz



Elevation Pattern 1710-1990 MHz



Elevation Pattern 2300-2700 MHz



Elevation Pattern 5100-5850 MHz

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