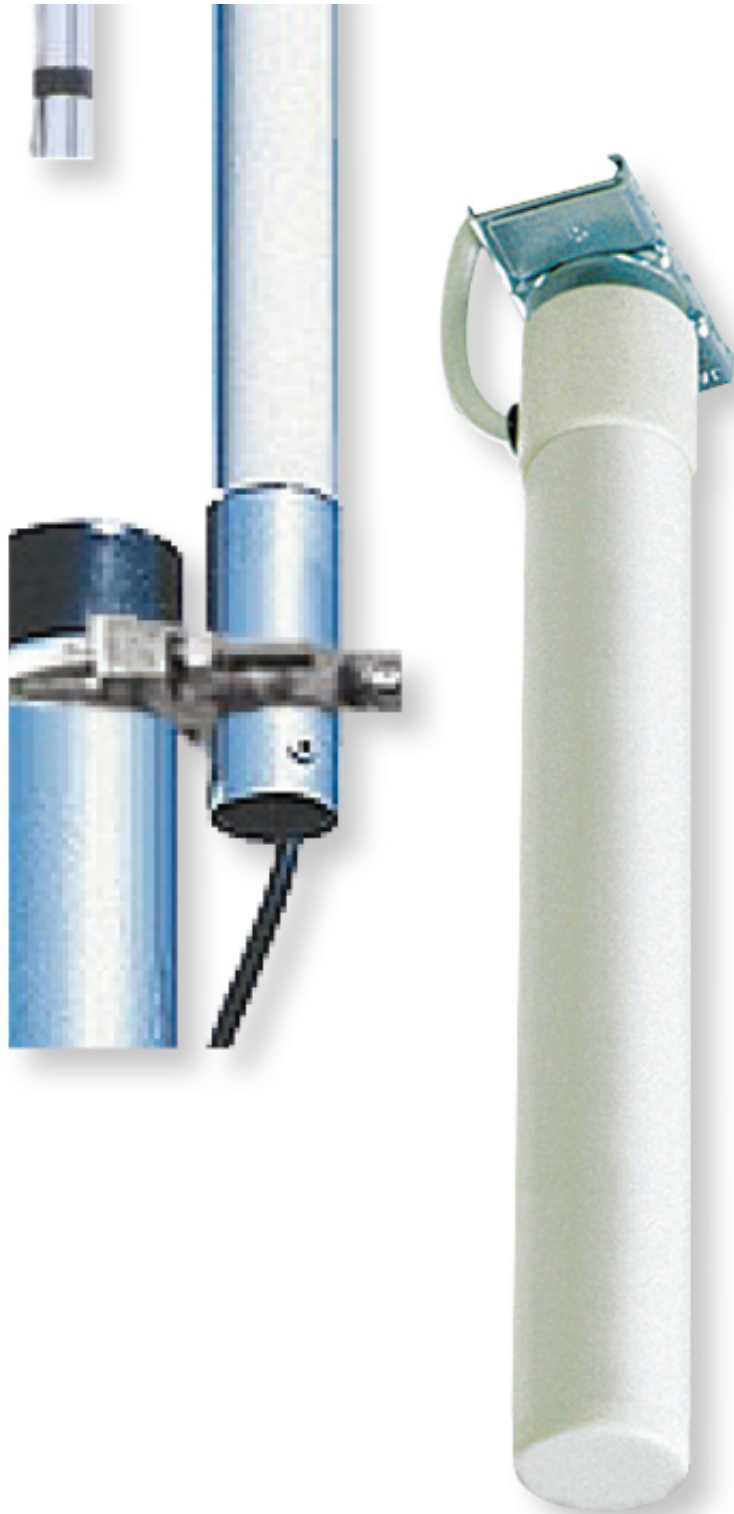

S2403BP12NF





OMNIDIRECTIONAL ANTENNAS FOR PCS/DCS AND WIRELESS LAN

Laird is world renowned for special purpose omnidirectional antenna design. Antennas are available for the 1.7 GHz DCS band through 5.8 GHz ISM band frequencies and can be suspension ceiling mounted I-beam mounted or mast mounted.

2.4 GHz MONOPOLE OMNI

The Laird 2.4 GHz monopole antenna features a large backplane and is designed for applications with a very focused omnidirectional pattern where an in-building system is required. The monopole can be used to focus signal directly into an area where it is difficult to obtain any coverage.

ANTENNA SELECTION CRITERIA

Prior to making an informed antenna selection the following must be determined: what frequency range should the antenna cover? What gain is needed? If the exact gain is unknown be able to describe the system that will use the antennas. For example how large is the area? What obstructions are in the area (i.e. buildings trees shelves walls etc.)? Consider how the antenna will be mounted or at least what mount is preferable. With this information a number of alternatives can be eliminated.

Currently the most popular spread spectrum systems operate in the 900 MHz or the 2.4 GHz ranges so these are basic spread options. Other data applications occur anywhere from 25 MHz to 5.9 GHz. Some antennas outside of the 900 Mhz and 2.4 GHz ranges are also offered. Contact Laird to find your solution today!



Prototyping Available



Custom Solutions



Standard Stock



Samples Available

Features

- Polycarbonate enclosures
- Available with ceiling mounts
- Plated copper laminated radiator
- Weatherproof designs with UltraLink pigtailed
- Broadband performance
- DC grounded
- Omnidirectional performance

Specifications

Additional Product Description Omni,PolMnt,12in,NF, 2400-2500MHz,5dBi,	Applications Bluetooth, WiFi, WLAN
Connector Type Type N female	Dimension (H - inches) 11.50
Dimension (H - mm) 292.00	Frequency Range 2400-2500 MHz
Gain 5 dBi	Industries • WiMAX

Market

Bluetooth, WiFi & WLAN,

No. of Ports

1

PL Code

W380

Pattern Type

Omnidirectional

Polarization

Vertical

Product Line

Omnidirectional Antennas

VSWR

1.5:Nominal

Weight

0.18 (kg), 0.41 (lbs)

_OTHER

Pigtail

12 in (30.5cm)

-3 dB BEAMWIDTH E-PLANE

38°

W/SUR AREA in ft.squared (metres squared)

0.08 (0.007)

Enclosure material

Polycarbonate