

# DATASHEET

## 821 to 896 MHz 3 dBi Omnidirectional Bulkhead with N-jack Termination A0803NJ-OBH

The A0803NJ-OBH omnidirectional bulkhead antenna is designed to work with ProSoft Technology radios. This low-profile antenna for outdoor or indoor applications features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and low angle radiation pattern.



### Features

- ◆ Omnidirectional outdoor/indoor antenna applications
- ◆ Supports 821 to 896 Mhz frequencies
- ◆ True field diversity design ensures uninterrupted transmissions

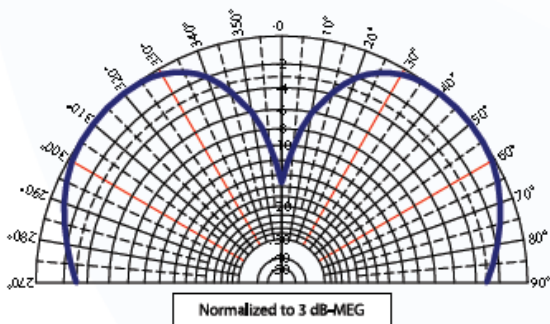
### Compatibility

All antennas have been tested for compatibility with ProSoft Technology products. Please see the ProSoft Wireless Designer (PWD) configuration tool to assist you in choosing the best antenna for your application.

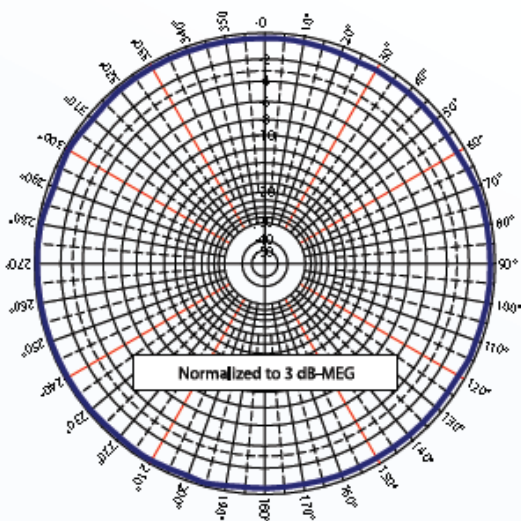
## Specifications

Specification	Description
Frequency Range	821 to 896 MHz
Pattern	Omnidirectional
Gain	3 dBi
VWSR	< 2.1
Nominal Impedance	50 Ohm
Polarization	Vertical and Horizontal
Half-Power Beamwidth (Elevation <sup>o</sup> x Azimuth <sup>o</sup> )	130 <sup>o</sup> x 360 <sup>o</sup>
Max Power	100 W
Connector	N-Female
Color	White
Height	2 3/4" (6.98 cm)
Diameter	1.438" (3.65 cm)
Weight	0.173 lbs (78.4 g)

## Patterns



Elevation Pattern (Y, Z, or H-plane)



Azimuth Pattern (X, Y, or E-plane)



Where Automation  
Connects™

## Global Distribution

ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to: [www.prosoft-technology.com](http://www.prosoft-technology.com)

## Ordering Information

To order this product, please use the following:

**821 to 896 MHz 3 dBi  
Omnidirectional  
Bulkhead Antenna**

A0803NJ-OBH

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: [www.prosoft-technology.com](http://www.prosoft-technology.com) and select *Where to Buy* from the menu.

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