



850 MHz OMNIDIRECTIONAL IN-BUILDING ANTENNA

The widespread use of cellular phones and wireless network applications inside buildings has increased the need for antenna systems that can provide considerable gain over traditional dipole antennas.

Laird Technologies' in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most applications.

SPECIFICATIONS	
Element type	Air-loaded patch
Frequency range	824-896 MHz
Peak gain	3 dBi
Polarization ¹	Linear
Impedance	50 ohms
Maximum input power	50 watts
VSWR (min. performance)	2.0:1
Dimensions (L x W x H)	13.6 x 10.5 x 5.1 cm
Housing	ABS
Operating/storage temperature	-40° to +70°C

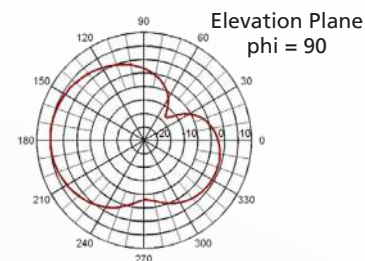
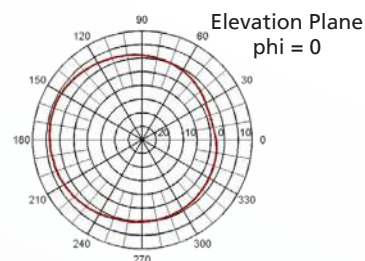
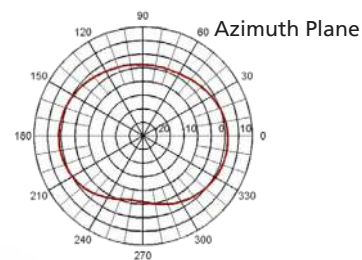
¹Contains both vertical and horizontal components, the ratio of which varies with the spatial location

MODEL #	REFERENCE #	PLENUM RATED COAX	CONNECTOR
IO850-SM36	CAF95984	36" RG-142	SMA-male
IO850-NF36	CAF94191	36" RG-142	N-female

MOUNTING OPTIONS

- Includes metal twist-lock bracket for mounting to a ceiling tile grid

ANTENNA PATTERNS



global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

ANT-DS-IO850 0909

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.