

2.4 GHz MicroSphere Diversity Antenna



2.4 GHz OMNI-DIRECTIONAL 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.

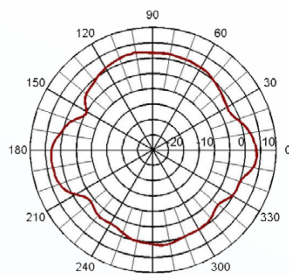
Laird Technologies' in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most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

FEATURES

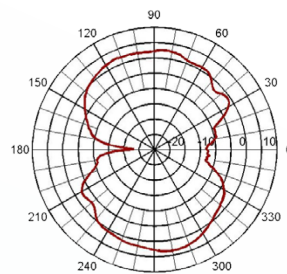
- Surprisingly small size allows it to be hidden almost anywhere, providing an invisible solution for many applications.
- The field pattern is toroidal, providing omni-directional coverage in any plane around the long axis of the antenna, and two lobes in any plane parallel to the long axis.

MARKETS

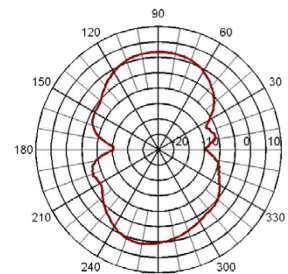
- The omni-directional pattern is suited to a variety of uses, including handheld devices, in-building systems or other applications where mobility is a factor.



Azimuth Plane



Elevation Plane
phi=0



Elevation Plane
phi=90

SPECIFICATIONS	
Element Type	Microstrip
Frequency Range	2.4 – 2.5 GHz
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)	12.3 x 4.4 x 1.1 cm
Housing	ABS
Operating/Storage Temperature	-40° to +70°C

MODEL #	REFERENCE #	PLENUM RATED COAX	CONNECTOR
IFD2450-RB36	CAF94270	36" White RG-142	RP-BNC x 2
IFD2450-RT36	CAF94165	36" White RG-142	RP-TNC x 2
IFD2450-RT60	CAF94675	60" White RG-142	RP-TNC x 2

MOUNTING OPTIONS

- Wall-mount bracket & screws included

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