Laird TECHNOLOGIES

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

2.4 GHz MegaSphere Antenna
IG2450

2.4 GHz 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.

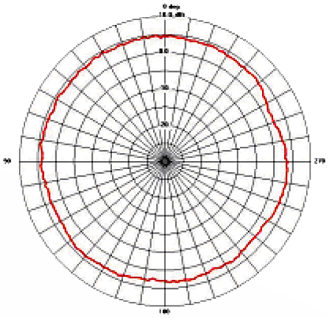
FEATURES

- Excellent choice for open-air installation (manufacturing floor, shipping/receiving, warehouse, etc.)
- High gain omni antenna in a cylindrical form factor

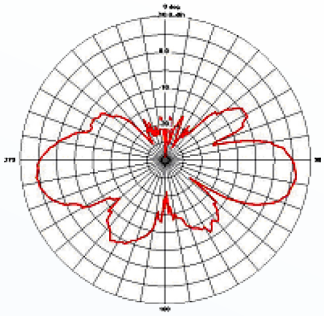
SPECIFICATIONS	
Element Type	Linear Array
Frequency Range	2.4 – 2.5 GHz
Peak Gain	6 dBi
Polarization	Vertical
Impedance	50 ohms
Maximum Input Power	50 watts
VSWR (Min. Performance)	<2.0:1
Dimensions (L x W x H)	27.6 x 2.7 cm
Housing	PVC
Operating/Storage Temperature	-40° to +70°C

MODEL #	REFERENCE #	PLENUM RATED COAX	CONNECTOR
IG2450-NF12	CAF94520	12″ RG-142	N-Female
IG2450-NF36	CAF94512	36″ RG-142	N-Female
IG2450-NM36	CAF94553	36″ RG-142	N-Male
IG2450-RB12	CAF94521	12″ RG-142	RP-BNC
IG2450-RB36	CAF94514	36″ RG-142	RP-BNC
IG2450-RS36	CAF94722	36″ RG-142	RP-SMA
IG2450-RT36	CAF94492	36″ RG-142	RP-TNC
IG2450-SM36	CAF94513	36″ RG-142	SMA Male

ANTENNA PATTERNS



Azimuth Plane
Cut perpendicular to the antenna and perpendicular to the cable



Elevation Plane
Cut perpendicular to the antenna along the cable axis

MOUNTING OPTIONS

- Includes beam-clip and ceiling grid clip

global solutions: local support™

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