Laird TECHNOLOGIES

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

850 MHz Sphere Antenna
IO850

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

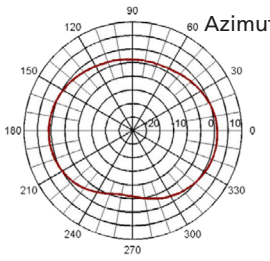
[1]Contains both vertical and horizontal components, the ratio of which varies with the spatial location

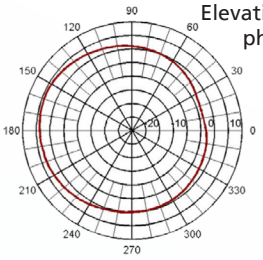
MODEL #	REFERENCE #	PLENUM RATED COAX	CONNECTOR
IO850-SM36	CAF95984	36" RG-142	SMA-male
IO850-NF36	CAF94191	36" RG-142	N-female

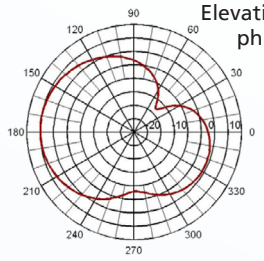
MOUNTING OPTIONS

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

ANTENNA PATTERNS







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