HyperLink Wireless 3.5 GHz 8 dBi High Performance Flat Patch Antenna for 802.16e and WiMAX

Model: HG3509P-NF

Applications and Features

Applications:

- 3.3 GHz to 3.6 GHz (3350-3600 MHz) Band Applications
- 3.6 GHz to 3.7 GHz (3650-3700 MHz) Band Applications
- Wireless LAN systems
- IEEE 802.16e Applications
- WiMAX
- Mobile WiMAX
- SOFDMA

Features:

- Superior performance
- Compact size, 4.5" Square
- Durable UV-stable, UL flame rated radome
- Low loss solid brass element
- DC Short lightning protecting
- 12 inch coax lead with N-Female connector (custom connectors also available)
- Can be installed for either vertical or horizontal polarization
- Optional mounting brackets available

Description

This very compact flat patch antenna provides 8 dBi gain with very broad coverage. It is suitable for both indoor and outdoor applications in the 3.3GHz to 3.6GHz (3350-3600 MHz) and the 3.6GHz to 3.7GHz (3650-3700 MHz) band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. This antenna is lightweight and features an aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. The HG3509P can be installed for horizontal or vertical polarization. It can be wall or ceiling mounted, as well as mast-mounted using U-bolts.

Specifications

Electrical Specifications

Frequency	3350-3700 MHz
Gain	8 dBi
Horizontal Beam Width	75 degrees
Vertical Beam Width	65 degrees
Impedance	50 Ohm
Max. Input Power	25 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

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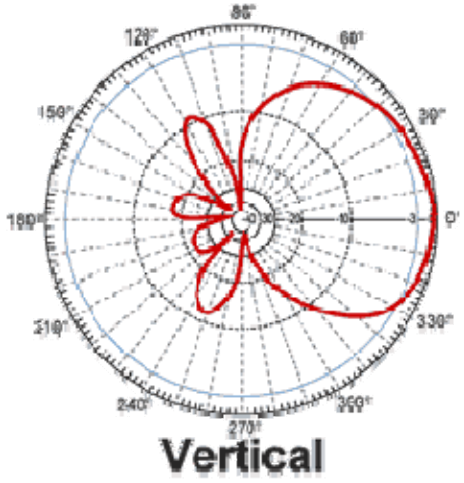
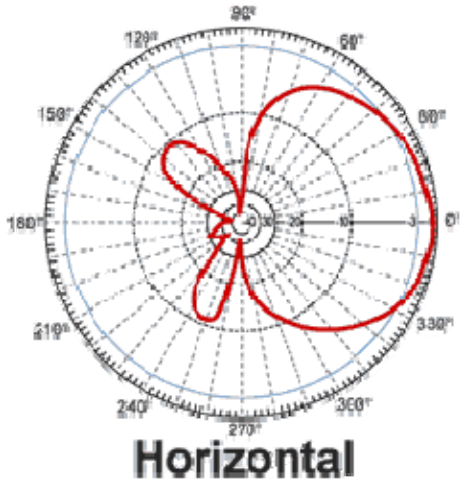
Mechanical Specifications

Weight	0.4 lbs. (.18 Kg)
Dimensions	4.5 x 4.5 x .9 inches 114 x 114 x 23 mm
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	Four ¼ in. (6.3 mm) Holes
Polarization	Horizontal or Vertical
Wind Survival	>150 MPH (241 KPH)

Antenna Gain Patterns





Guaranteed Quality

This product is backed by L-Com's Limited Warranty