

HyperLink Wireless 1.9 GHz 12 dBi Flat Patch Antenna Model: HG1912P

Applications

- 1.9 GHz band applications
- PCS cellular radio applications

Features

- Durable UV-stable, UL flame rated radome
- Light weight and only 8.5 inches square
- Low loss solid brass elements
- Can be installed for either vertical or horizontal polarization
- Optional mounting kits available



Description

This compact high performance 1.9GHz flat patch antenna provides 12 dBi gain with very broad coverage. It is suitable for both indoor and outdoor applications in the 1.9 GHz band. Typical applications include Personal Communication Services (PCS) cellular radio wireless applications where directional coverage and low visibility are desired. 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 HG1912P 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	1880 - 1990 MHz
Gain	12 dBi
Horizontal Beam Width	30 Degrees
Vertical Beam Width	30 Degrees
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Max. Input Power	25 Watts
Lightning Protection	DC Short

Mechanical Specifications

Weight	< 1 lbs. (0.45 kg)
Dimensions	8.5 x 8.5 x 1.2 in (215.9 x 215.9 x 30.4 mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Mounting	Four ¼" Holes
Polarization	Horizontal or Vertical
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Wind Survival	>150 MPH
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading (lbs)
100	16
125	26

RF Antenna Gain Patterns

