

HyperLink Wireless Brand 4.9-5.8 GHz 7 dBi Circular Polarized Flat Patch Antenna Model: HG4958-07PCR / HG4958-07PCL

Applications

- IEEE 802.11a Wireless LAN & WiFi
- 5.8 GHz UNII and ISM applications
- 5.8 GHz wireless video systems
- 4.9 GHz Public safety services: Fire, Police, Security
- Homeland security

Features

- Compact size, 4.5" square
- Available in Right or Left hand polarization models
- Durable UV-stable, UL flame rated radome
- Low loss solid brass element
- Integral SMA female connector



Description

The HG4958-07PC series is a 7 dBi high performance broadband flat patch antenna designed to operate from 4.9 GHz to 5.8 GHz (4900-5800 MHz). The Wideband design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of in-building wireless applications where wide coverage is desired.

The use of a circular polarized antenna on a fixed AP can be advantageous if the linear polarized remote links are constantly moving. Circular polarized antennas have equal response to either horizontal or vertical polarized antennas. This antenna is available in a Right Hand or Left Hand configuration.

Measuring only 4.5" square, this antenna features sealed internal element in an aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. It can be wall or ceiling mounted, as well as mast-mounted using U-bolts. Optional mounting brackets are available.

Specifications

Electrical Specifications

Frequency	4900-5800 MHz
Gain	7 dBi
Polarization	HG4958-07PCR – Right Hand HG4958-07PCL – Left Hand
Horizontal Beam Width	65°
Vertical Beam Width	65°
Impedance	50 Ohm
VSWR	< 1.5:1 Avg.

Mechanical Specifications

Weight	0.4 lbs. (.18 Kg)
Dimensions	4.5 x 4.5 x 0.9 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	(4) 0.25" (6.3 mm) Dia. Holes
Wind Survival	> 150 MPH (241 KPH)

Wind Loading Data

Wind Speed	Loading
100	5 lb.
125	7 lb.

Antenna Patterns

