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GSM

RFID

SCADA

900 MHz 13 dBi Yagi Antennas for ISM, GSM and Wireless LAN Systems

Model: HG913Y

Applications and Features

Applications:

900MHz ISM Band Wireless LAN systems

Point to multipoint applications

Non Line of Sight (NLOS)

Wireless Video Links

900MHz Cellular

- Features:
- Superior performanceHeavy duty steel construction
- All weather operation
- Heavy-duty 1/2" stainless steel boom
- Solid 1/8" elements
- 18 inch coax lead
- Can be installed for either vertical or horizontal polarization
- 1/8" thick plated steel mounting plate
- RoHS Compliant



Product Description

Superior Performance

The HyperGain® HG9013Y High-Performance Yagi Antennas combines high gain with a wide beam-width. They are ideally suited for directional applications in the 900MHz ISM and GSM bands. Typical applications include 900MHz Wireless LAN, SCADA, Wireless Video Links, 900 MHz Cellular, Non Line of Sight (NLOS) applications and point to multi-point systems. External interference of this antenna is minimized due to the excellent front to back ratio. These antennas comes with a 18" coax lead terminated with an N-Female connector. It can be installed for either vertical or horizontal polarization



e-mail: sales@hyperlinktech.com • tel: 561-995-2256 • fax: 561-995-2432 web: www.hyperlinktech.com • 1201 Clint Moore Road • Boca Raton FL 33487 www.L-com.com Call toll free 1-800-341-5266 sales@L-com.com



Rugged and Weatherproof

This antenna features a heavy-duty 1/2" stainless steel boom and solid 1/8" elements. Secure mounting is assured by a 1/8" thick plated steel mounting plate and two plated steel U-bolts.

Specifications

ModelHG913YFrequency890-960 MHzGain13 dBiPolarizationHorizontal or VerticalHorizontal Beam Width30°Vertical Beam Width30°Front to Back Ratio18 dB
Gain 13 dBi Polarization Horizontal or Vertical Horizontal Beam Width 30° Vertical Beam Width 30°
Polarization Horizontal or Vertical Horizontal Beam Width 30° Vertical Beam Width 30°
Horizontal Beam Width 30° Vertical Beam Width 30°
Vertical Beam Width 30°
Front to Back Ratio 18 dB
Impedance 50 Ohm
Max. Input Power 100 Watts
VSWR < 1.5:1 avg.
Elements 15
Weight 2.7 lbs. (1.25 kg)
Length 57 in. (1.45 m)
Mounting 2 in. (50.8 mm) diameter mast max.
Operating Temperature -40° C to to 85° C (-40° F to 185° F)
Lightning Protection DC Short
Connector N-Female
Wind Survival 135 MPH
RoHS Compliant Yes

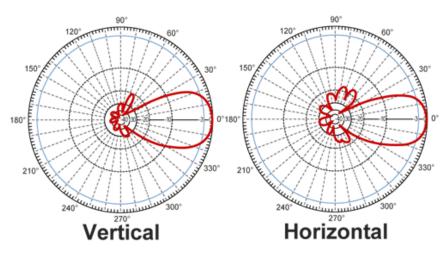
Wind Loading Data

Wind Speed (MPH)	Loading
100	11.5 lb.
120	18.2 lb.
100 w/1/2" Radial Ice	21 lb.

RF Antenna Gain Patterns









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