

VINNANT-ANTENA FOR ADS-B OPERATIONS
COLLINEAR, TYPE COL1090/5-S N CONNECTOR



This bidding is for collinear antenna for ads-b reception

VINNANT COL1090/5-S

tuned for 1090Mhz

awesome gain of 5dBd

It is using low loss N connector

housed in polycarbonate radome UV stable

Can be used for receiving aircraft transponder on
1090mhz ADS-b signal

using cheap usb dongle,or professional box

4 alumunium radials

The installation notice:

once the antenna is being installed place the radials into
4 openings

in the base,hand tight only and counter the nuts with
spanner no more than 1/4 of the turn to secure the
radials

Make sure antenna is placed as high as possible with no
nearby objects at least 50cm away from the
antenna.Antenna need to be on the top of the pole and

cannot be placed in the middle of the pole, unless you use the horizontal stand-off arm.

Use the high quality 50Ohm low loss cable like H155 and within 10m of length maximum. Don't use the satellite cable as being 75Ohm neither RG58 which is not suitable for this frequency and have high losses. Don't use any SO239-PL259 as pigtails for this high frequency.

If you have installation problems or questions don't hesitate to contact us.

Technical parameters:

Length 57cm

Width 20cm

Gain 5dBd

Weight 0,35kg

Impedance 50Ohm

pole diameter up to 55mm

connector N female

radiation pattern H plane 360°

radiation pattern E plane 40°

swr 1.5:1 or better at 1090Mhz

radome material polycarbonate