



ADS-B sector antenna 11dBi, 90°

OVERVIEW

Sector antenna is dedicated for receiving signals in ADS-B/MLAT systems. The antenna is rugged and durable to withstand the harshest of environment. The antenna has shaped elevation pattern with low side lobes below the horizon. With 90° horizontal pattern is designed to reduce garbling of ADS-B messages out of the main beam. The antenna is equipped with monitor port and variable possibilities of mounting.

ANTENNA PARAMETERS

Electrical:

Operating Frequency	1030 and 1090 MHz
Impedance	50 Ohm
Polarization	Vertical
Return Loss	>=10dB
Gain Sum	11 dBi
Azimuth 3dB B.W.	90°
Elevation 3dB B.W.	20°

Input:

RF Input (optional power supply for LNA 6V)	Type N Female 50 Ohm
RF Monitor Port Type	N Female 50 Ohm

Environmental:

Temperature Low/Hi	-57 to +85 °C
Relative Humidity	5% to 100%
Altitude	-300 to 15000 Feet
Wind Speed (max)	180 km per hour
Ice Load (max)	15 mm

Mechanical:

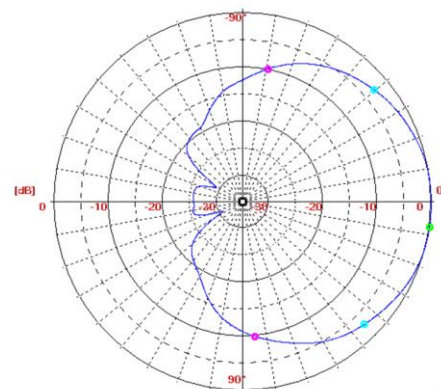
Weight	7.1 kg
Size	995x260x110 mm

MAIN FEATURES

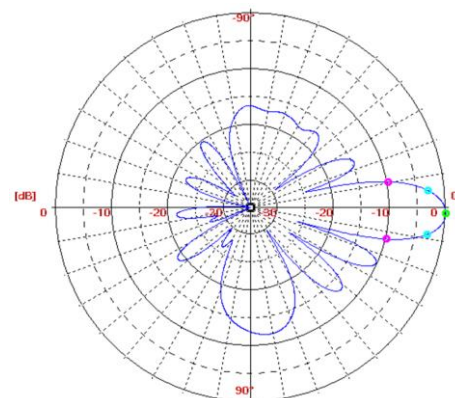
- 90° sector azimuth pattern
- Shaped elevation pattern
- Rugged and durable design
- Monitor connection port
- Included LNA 26dB (optional)
- DC grounded design for protection against lightning induced transients



Horizontal Radiation Pattern



Vertical Radiation Pattern



T-CZ order code

7QN62202