



DIRECTIONAL FM BROADCAST ANTENNA AT 24/N

GENERALS

The AT 24/N Directional Antenna is designed for low power transmissions in FM Broadcast Band (87,5 –108 MHz). This antenna is made with non-corrosive aluminum alloy and composed of four elements and a mounting bracket.

Effective cost. A good performance at effective cost is the main feature of this antenna.

Broadband. Suitable for channel or broadband operations with multi-channel combiners.

Horizontal or Vertical polarization are possible with the standard mounting brackets.

Instant installation. The reduced overall dimensions and the low weight permit an easy installation even on light poles.

Disassemblable. This antenna is disassemblable in order to reduce the shipment and stocking costs.

Lightning resistance is guaranteed by the DC ground potential of the entire antenna.



RF DATA

Frequency Range

87.5 - 108 MHz

Bandwidth

Broadband

Connector

N female

Max. power handling capability

400 W

Gain (at mid band, ref. to 1/2 dipole)

5.5 dBd

VSWR (in the whole band)

< 1.15:1

Impedance

50 Ohm

Front to back ratio

21 dB

Wind load (ref. 150 Km/h):

Frontal

6 Kg

Lateral

8 Kg

Grounding

Via clamps

Horizontal Beamwidth (at -3 dB, at mid band)

65°

Vertical Beamwidth (at -3 dB, at mid band)

MECHANICAL

Element Number

150°

Materials

4

Pole diameter

Aluminium

Dimensions (LxH)

25 – 55 mm (others on request)

Weight

1160x1705 mm

1.25 kg

