



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

