

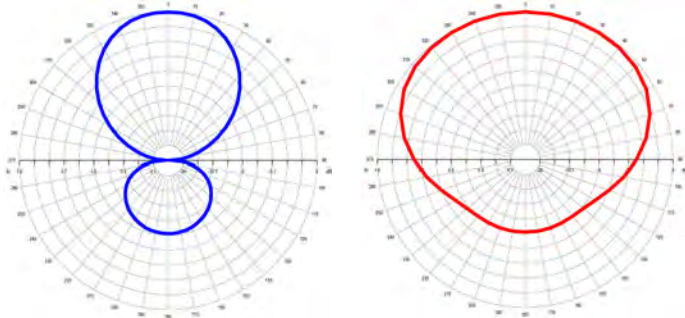
ELECTRICAL FEATURES

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: 0.2 MHz
GAIN: 1.5 dBd (3.7 dBi)
VSWR: ≤ 1.1:1 (-26.4 dB)
POLARIZATION: vertical (or horizontal)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 86°
 H-Plane - 192°

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSIONS AND CODE:

AST0102235 - N female connector - max 400W
 AST0102236 - DIN 7/16 female connector - max 1200W
 AST0102237 - EIA 7/8" flange - max 1800W



E-Plane

H-Plane

MECHANICAL FEATURES

MATERIALS: antenna in st. steel, bracket and bolts in hot dip galvanized steel, components in aluminium, teflon isolators, silicon O-Rings

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for Ø 60÷114mm. pipe

ICING PROTECTION:

optional ABS radome on semi-dipole (code XRAST25)

TREATMENTS: hot-dip galvanized bracket,

aluminium components military grade MIL-C-5541

ANTENNA DIMENSIONS: 1500x1000x60 mm (@ 98.0 MHz)

WEIGHT: 3.5 Kg

WIND SURFACE: 0.04 m² front - 0.06 m² side

WIND LOAD (at 160Km/h and 30° C air temperature):

3.10 Kg front - 5.17 Kg side

SURVIVAL WIND: 160Km/h

PACKING DIMENSIONS:

box 1700x200x150 mm - 5 Kg gross — antenna @ 98.0 MHz

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ¹	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	5.20	3.31	26	4.1	10.3
4	1	8.42	6.64	45	9.5	20.7
6	1	10.22	10.52	67	14.4	31.0
8	1	11.49	14.09	84	19.6	41.4
12	1	13.27	21.23	126	30.0	62.0

1 - gain referred at mid band -1° null filling and electrical tilt not take into account
 2 - mounting hardware not take into account
 3 - 160Km/h wind and 30° C air temperature

Antenna a dipolo sintonizzato in acciaio inox. Irradiazione pressoché omnidirezionale. Adatta per sistemi collineari FM. Smontabile.

Half-wave tuned dipole antenna in st. steel. Almost omnidirectional radiation pattern. Suitable for FM stacked-array antenna system. Demountable.

