

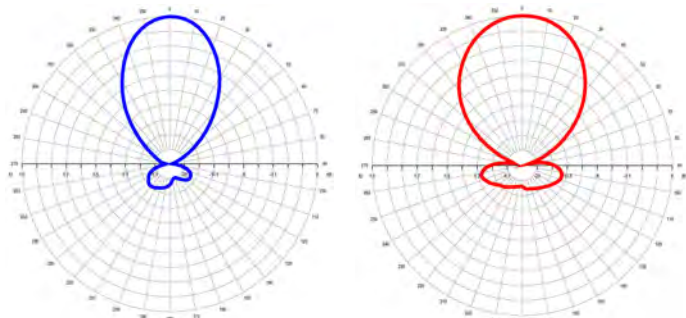
ELECTRICAL FEATURES

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: 0.2 MHz
GAIN: 8 dBd (10.2 dBi)
VSWR: ≤ 1.1:1 (-26.4 dB)
POLARIZATION: vertical (or horizontal)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 55°
 H-Plane - 73°

LIGHTNING PROTECTION: all metal parts DC grounded

AVAILABLE VERSIONS AND CODE:

AST0402335 - N female connector - max 400W
 AST0402336 - DIN 7/16 female connector - max 1200W
 AST0402337 - 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 XRAST35)

TREATMENTS: hot-dip galvanized bracket,

aluminium components military grade MIL-C-5541

ANTENNA DIMENSIONS: 2200x160x110 mm (@ 98.0 MHz)

WEIGHT: 11 Kg

WIND SURFACE: 0.04 m² front - 0.22 m² side

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

3.20 Kg front - 17.80 Kg side

SURVIVAL WIND: 160Km/h

PACKING DIMENSIONS:

box 2500x250x250 mm - 15 Kg gross - antenna @ 98.0MHz

SPECIAL FEATURES:

optional safety rope in parafil® and st. steel turnbuckle (cod. XPAR & XTEN1.5T)

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ²	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	10.12	10.28	38	4.3	35.6
4	1	12.95	19.72	69	9.7	71.2
6	1	14.65	29.17	103	14.6	106.8
8	1	15.87	38.64	132	19.8	142.4
12	1	17.60	57.54	198	30.2	213.6

1 - gain referred at mid band - 1st 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

AST 04 02 33x

VHF
Band FM
Radio Broadcasting

Antenna yagi sintonizzata a 4 elementi in acciaio inox.

Irradiazione direttiva.

Adatta per sistemi collineari FM.

Smontabile.

Yagi 4 elements tuned stainless steel antenna. Directional radiation pattern.

Suitable for FM stacked-array antenna system.

Demountable.

