

**ELECTRICAL DATA**

WORKING BAND: 87.5÷108 MHz

BANDWIDTH: 0.2 MHz

GAIN: 2.23 dBd (-0.03 dBi)

VSWR:  $\leq 1.1:1$  (-26.4 dB)

POLARIZATION: Circular

IMPEDANCE: 50 Ohm unbalanced

HALPOWER BEAMWIDTH:

Vertical component - E-Plane - 85°

Vertical component - H-Plane - 175°

Horizontal component - E-Plane - 175°

Horizontal component - H-Plane - 85°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

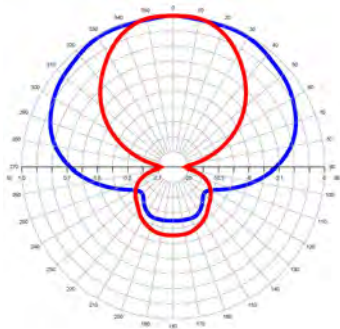
AVAILABLE VERSION AND CODE:

ACG0102230 - N female - max. 500W - to be tuned on field

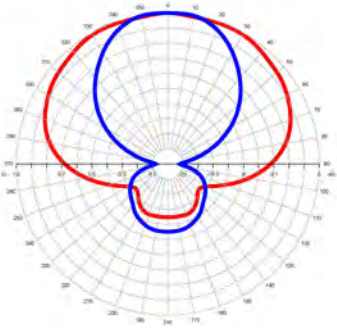
ACG0102231 - N female - max. 500W - factory tuned

horizontal component

vertical component



H-Plane and E-Plane



H-Plane and E-Plane

**MECHANICAL DATA**

MATERIALS: body and additional semi dipoles in st. steel, hot dip galvanized steel bolts, teflon isolators

MOUNTING: directly on supporting structure

MOUNTING BRACKETS: included for  $\varnothing 30$ -65mm. pipe

TREATMENTS: silver-plated connector

ANTENNA DIMENSIONS: 840x900x300 mm

WEIGHT: 4.5 Kg

WIND SURFACE: 0.01 m<sup>2</sup> front - 0.04 m<sup>2</sup> side

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

1.03 Kg front - 3.12 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

box 1100x1100x360 mm - 7Kg gross

**ARRAY DATA**

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) <sup>1</sup>	GAIN TIMES <sup>2</sup>	WEIGHT (Kg) <sup>2</sup>	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) <sup>3</sup>
2	1	0.78	1.2	18	3.5	6.2
4	1	3.79	2.39	30	8.9	12.5
6	1	5.55	3.59	46	14.3	18.7
8	1	6.8	4.79	60	19.7	25.0
12	1	8.56	7.18	94	30.5	37.4

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

