

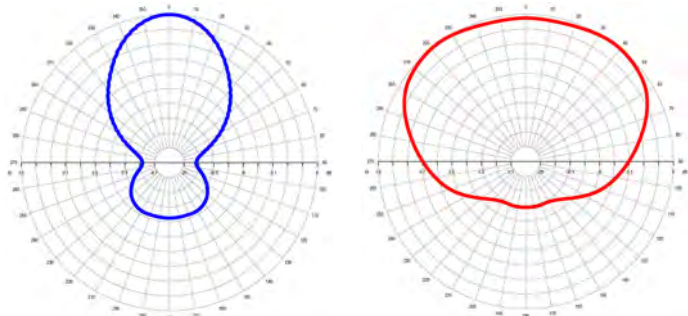
ELECTRICAL DATA

WORKING BAND: 87.5 ÷ 108 MHz
BANDWIDTH: FM band
GAIN : 2.07 dBd (4.27 dBi)
VSWR: ≤ 1.27:1 (-18.5 dB)
POLARIZATION: Vertical
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 69°
 H-Plane - 178°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

AVAILABLE VERSIONS AND CODE:

ADE0102222 - EIA 7/8" flange - max 5000 W (sing. carr.)
 ADE0102221 - DIN 7/16 female - max 3000 W (sing. carr.)
 ADE0102220 - N female - max 800 W (sing. carr.)
 ADE0102231 - DIN 7/16 female - max 3000 W (sing. carr.)
 ADE0102230 - N female - max 800 W (sing. carr.)



E-Plane

H-Plane

Antenna a dipolo in acciaio inox o acciaio zincato a caldo. Irradiazione pressoché omnidirezionale. Adatta per sistemi collineari FM a media e alta potenza. Banda larga 87.5 ÷ 108 MHz

Dipole antenna in stainless steel or hot dip galvanized steel. Omnidirectional pattern with preferred direction. Suitable for medium and high power FM arrays. Broadband 87.5 ÷ 108 MHz

MECHANICAL DATA

MATERIALS: Body and bolts in hot dip galvanized steel (ADE010222x models) or stainless steel (ADE010223x models),

teflon isolators, silicon O-Rings, aluminum internal lines

MOUNTING: directly on supporting structure

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

ICING PROTECTION: Optional ABS radome (Code XRADE)

TREATMENTS: hot dip galvanized steel,

silver-plated lines (only mod. ADE0102222)

ANTENNA DIMENSIONS: 1350x1050x50 mm

WEIGHT:

ADE010222x - 11 Kg

ADE010223x - 9 Kg

WIND SURFACE: 0.07 m² front - 0.12 m² side

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

5.58 Kg front - 9.92 Kg side

SURVIVAL WIND: 220Km/h

PACKING DIMENSIONS:

ADE010222x - Box 1400x1200x150 mm - 15Kg gross

ADE010223x - Box 1400x1200x150 mm - 13Kg gross

ARRAY DATA

| BAY | PANEL PER BAY | SYSTEM GAIN (dBd) ¹ | GAIN TIMES ¹ | WEIGHT (Kg) ^{2,4} | SYSTEM HEIGHT (mt) | WIND LOAD (Kg) ³ |
|-----|---------------|--------------------------------|-------------------------|----------------------------|--------------------|-----------------------------|
| 2 | 1 | 5.0 | 3.16 | 35 | 4.1 | 19.8 |
| 4 | 1 | 8.0 | 6.31 | 63 | 9.5 | 39.7 |
| 6 | 1 | 9.8 | 9.55 | 94 | 14.4 | 59.6 |
| 8 | 1 | 11.0 | 12.59 | 120 | 19.6 | 79.4 |
| 12 | 1 | 12.8 | 19.06 | 180 | 30 | 119.2 |

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

4 - Weight referred to ADE010222x models

