

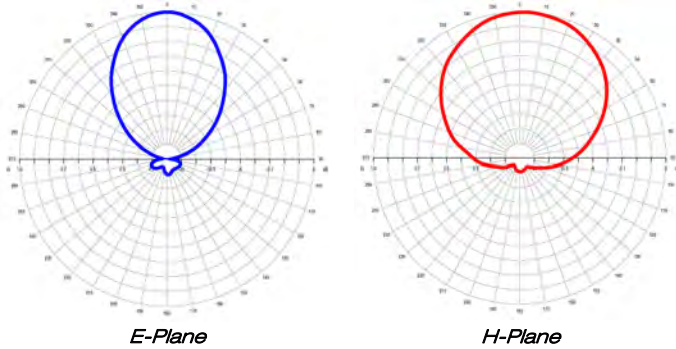
ELECTRICAL DATA

WORKING BAND: 87.5÷108 MHz
BANDWIDTH: FM band
GAIN: 5.5 dBd (7.7 dB)
VSWR: ≤ 1.23:1 (-19.7 dB)
POLARIZATION: vertical (or horizontal)
IMPEDANCE: 50 Ohm unbalanced
HALF POWER BEAMWIDTH:
 E-Plane - 66°
 H-Plane - 106°

LIGHTNING PROTECTION: all metal parts DC grounded including inner conductors

AVAILABLE VERSIONS AND CODE:

- ALP0502710 - DIN 7/16 fem. connector - 3000 W
- ALP0502711 - N fem. connector - 800 W
- ALP0502712 - EIA 7/8" connector - 5000 W
- ALP0502730 - N fem. conn - max 800 W - parafil kit
- ALP0502731 - DIN 7/16 fem. conn - 3000 W - parafil kit
- ALP0502732 - EIA 7/8" conn - 5000 W - parafil kit



ALP 05 02 7xx

VHF
Band FM
 Radio Broadcasting

Antenna log-periodica a 5 elementi in alluminio verniciato o acciaio inox. Irradiazione direttiva con lobi secondari ridotti. Adatta per sistemi collineari FM. Banda larga 87.5 ÷ 108 MHz. Leggera.

Log-periodic 5 elements antenna in painted aluminium or stainless steel. Directional irradiation pattern with reduced side lobes. Suitable for FM stacked array antenna systems. Broadband 87.5 ÷ 108 MHz. Light.

MECHANICAL DATA

MATERIALS:

elements and body in aluminium (ALP050271x models) or stainless steel (ALP050273x models), hot dip galvanized steel bracket and bolts Teflon isolators, silicon O-Rings

MOUNTING: directly on supporting structure

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

ICING PROTECTION:

optional ABS radome (code XRALPFM5)

TREATMENTS: powder painted elements and body (colour grey RAL 7001)

ANTENNA DIMENSIONS: 141x1761x120 mm

WEIGHT: ALP0502710 & 711 & 712: 6 Kg

ALP0502730 & 731 & 732: 18 Kg

WIND SURFACE: 0.06 m² front - 0.22 m² side

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

4.64 Kg front - 30.44 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

box 1630x1950x150 mm

ALP0502710 & 711 & 712 - 10 Kg gross

ALP0502730 & 731 & 732 - 24 Kg gross

SPECIAL FEATURES:

optional brackets for side-by-side arrays (cod. XSTLOG-PER)

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) ¹	GAIN TIMES ²	WEIGHT (Kg) ²⁻⁴	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	8.5	7.08	27	4.1	60.9
4	1	11.5	14.13	49	9.5	121.8
6	1	13.3	21.38	72	14.9	182.7
8	1	14.5	28.18	116	20.3	243.6
12	1	16.3	42.66	164	31.1	365.4

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
 4 - Weight referred to ALP050271x models

