

ELECTRICAL DATA

WORKING BAND: 87.5÷108 MHz

BANDWIDTH: FM band

GAIN: 5.5 dBd (7.7 dBi)

VSWR: ≤ 1.3:1 (-17.7 dB) linear polarization

≤ 1.13:1 (-24.3 dB) circular polarization

POLARIZATION: circular, mixed, linear

IMPEDANCE: 50 Ohm unbalanced

HALF POWER BEAMWIDTH:

Vertical component - E-Plane - 69° - H-Plane - 129°

Horizontal component - E-Plane - 69° - H-Plane - 129°

LIGHTNING PROTECTION: all metal parts DC grounded
including inner conductors

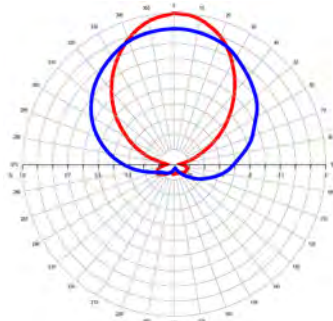
AVAILABLE VERSIONS AND CODE:

ALP0502912 - 2xDIN 7/16 fem. connectors - max 2 x 3000 W

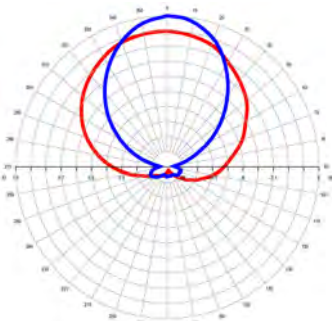
ALP0502911 - 2xN fem. connector - max 2 x 800 W

horizontal component

vertical component



H-Plane and E-Plane



H-Plane and E-Plane

MECHANICAL DATA

MATERIALS: elements and body in aluminium, hot dip galvanized steel bracket and bolts, teflon isolators, silicon O-Rings, safety parafil® rope and st. steel tumbuckle

MOUNTING: directly on supporting structure

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

ICING PROTECTION: ABS radome

TREATMENTS: powder painted elements and body (color grey RAL 7001), silver plated lines

ANTENNA DIMENSIONS: 1411x1761x1411 mm

WEIGHT: 27 Kg

WIND SURFACE: 0.1 m² front - 0.38 m² side

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

9.28 Kg front - 71.49 Kg side

SURVIVAL WIND: 180Km/h

PACKING DIMENSIONS:

nr. 2 boxes 1600x1900x200 mm - 13Kg gross

nr. 1 box 400x360x310 mm - 7Kg gross

SPECIAL FEATURES:

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

ARRAY DATA

BAY	PANEL PER BAY	SYSTEM GAIN (dBc) ¹	GAIN TIMES ²	WEIGHT (Kg) ²	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) ³
2	1	7.0	5.01	40	4.1	143
4	1	10.0	10.00	75	9.5	286
6	1	11.8	15.14	108	14.9	429
8	1	13.0	19.95	174	20.3	571
12	1	14.8	30.20	246	31.1	588

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 log-periodica a 5 elementi in alluminio saldato e verniciato.

Irradiazione direttiva con lobi secondari ridotti.

Adatta per sistemi collineari FM in polarizzazione mista o circolare.

Banda larga 87.5 ÷ 108 MHz.

Leggera.

Log-periodic 5 elements antenna in welded and painted aluminium.

Directional irradiation pattern with reduced side lobes.

Suitable for FM stacked array antenna systems in mixed or circular polarization.

Broadband 87.5 ÷ 108 MHz.

Light.

