

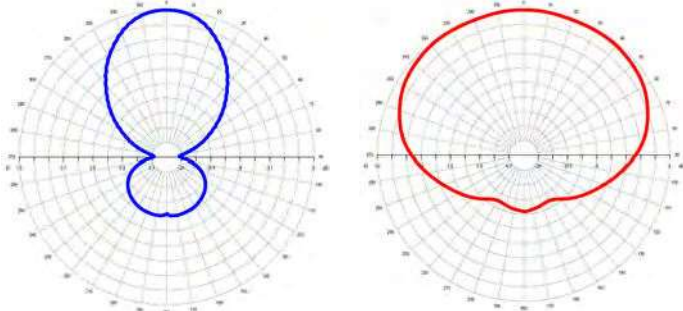
**ELECTRICAL FEATURES**

**WORKING BAND:** 87.5÷108 MHz  
**BANDWIDTH:** FM band  
**GAIN:** 1.5 dBd (3.7 dBi)  
**VSWR:** ≤ 1,28:1 (-18 dB)  
**POLARIZATION:** vertical  
**IMPEDANCE:** 50 Ohm unbalanced  
**HALF POWER BEAMWIDTH:**  
 E-Plane - 71°  
 H-Plane - 192°

**LIGHTNING PROTECTION:** all metal parts DC grounded including inner conductors

**AVAILABLE VERSIONS AND CODE:**

ASD0102211 - EIA 7/8" flange - max 5000 W  
 ASD0102212 - DIN 7/16 fem. connector - max 3000 W  
 ASD0102213 - N fem. connector - max 800 W



E-Plane

H-Plane

**MECHANICAL FEATURES**

**MATERIALS:** body in treated aluminium, teflon isolators, silicon O-Rings, hot dip galvanized steel bolts

**MOUNTING:** directly on supporting structure

**MOUNTING BRACKETS:** included for Ø 40÷104mm, pipe

**ICING PROTECTION:** optional ABS radome (code XRASD)

**TREATMENTS:** military grade treated (MIL-C-4451)

silver plated internal lines and connector

**PRESSURIZATION:** 5.0 psi

**ANTENNA DIMENSIONS:** 1337x965x200 mm

**WEIGHT:** 7 Kg

**WIND SURFACE:** 0.07 m<sup>2</sup> front - 0.11 m<sup>2</sup> side

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

5.53 Kg front - 9.47 Kg side

**SURVIVAL WIND:** 220Km/h

**PACKING DIMENSIONS:**

box 1210x310x150 mm - 10 Kg gross

**ARRAY DATA**

BAY	PANEL PER BAY	SYSTEM GAIN (dBd) <sup>1</sup>	GAIN TIMES	WEIGHT (Kg) <sup>2</sup>	SYSTEM HEIGHT (mt)	WIND LOAD (Kg) <sup>3</sup>
2	1	5.49	3.54	25	3.9	18.9
4	1	8.5	7.08	45	9.1	37.9
6	1	9.74	9.42	65	14.3	56.8
8	1	11.48	14.06	90	19.5	75.8
12	1	13.24	21.09	130	30	113.4

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

Antenna a dipolo in alluminio saldato.  
 Irradiazione pressoché omnidirezionale.  
 Adatta per sistemi FM collineari.  
 Smontabile - Pressurizzabile  
 Banda larga 87.5 ÷ 108 MHz

*Dipole antenna in welded aluminium.  
 Omnidirectional pattern with preferred direction.  
 Suitable for FM stacked-array antenna system.  
 Demountable - Pressurizable  
 Broadband 87.5 ÷ 108 MHz*

