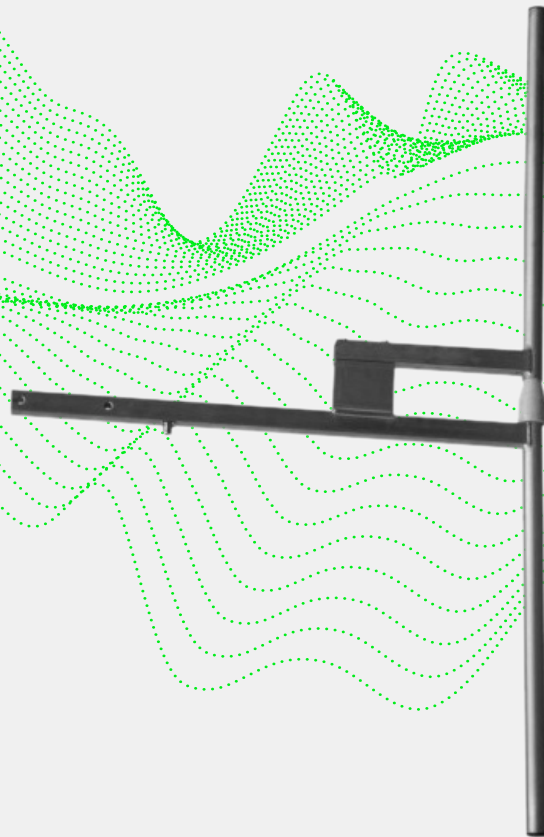


RFE

MAKING
BROADCAST
SMARTER

Dipole Antenna RFX

ANTENNA SYSTEMS





RFE

MAKING
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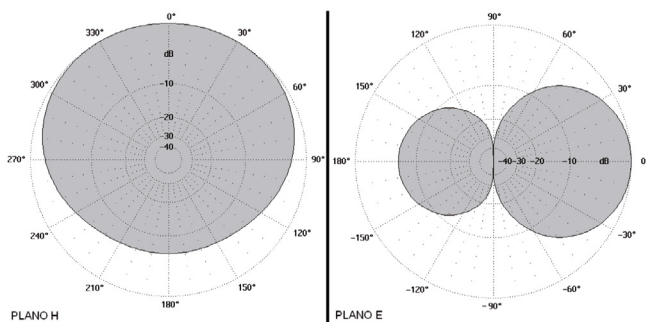
PRODUCT DESCRIPTION

Dipole Antenna RFX



PRODUCT DESCRIPTION

RFX is a dipole antenna, with linear polarization and omnidirectional pattern. Ideal for low power broadcast application.



MAIN FEATURES

- 87,5-108 MHz Broadband.
- Suitable for collinear stacks.
- Robust construction in stainless steel
- Linear polarization
- Omnidirectional
- Low-medium power





ELECTRICAL DATA

Frequency Range	87.5÷108 MHz
Gain [referred to half wave dipole]	2.1 dB
VSWR	≤1.3÷1 Broadband
Half Power Beam Width	E plane 80 ° H plane 210°
Polarization	Linear
Connector	N, DIN 7/16 or EIA 7/8
Max Power Rating with N connector	600 W
Max Power Rating with DIN 7/16 connector	2 kW
Max Power Rating with EIA 7/8 connector	5.2 kW
Input Impedance	50 Ω
Lighting Protection	DC Grounded

MECHANICAL DATA

Size [AxBxC]	1355 x 960 x 55mm
Weight	3 Kg
Wind Load [160Km/h]	16 Kg @ 160 Km/h
Max Wind Speed	Front 220Km/h — Side 200Km/h
Materials	Body and screw in stainless steel AISI 316, internal parts in silver-plated copper and PTFE
Mounting	Suitable mast diameter: 50 - 100 mm
Packing [AxBxC]	1400 x 1200 x 100 mm

NOTE: RADIATION PATTERN, GAIN, F/B AND HALF POWER BEAM WIDTH ANALYZED WITH TOWER INFLUENCE

N° OF BAYS	N° OF FACES	GAIN [dBd]	LENGTH mm
1	1	1.5	1500
2	1	4.5	4500
3	1	6.2	7500
4	1	7.5	10500
5	1	8.5	13500
6	1	9.3	16500
7	1	10.0	19500
8	1	10.5	22500
9	1	11	25200
10	1	11.5	28500

