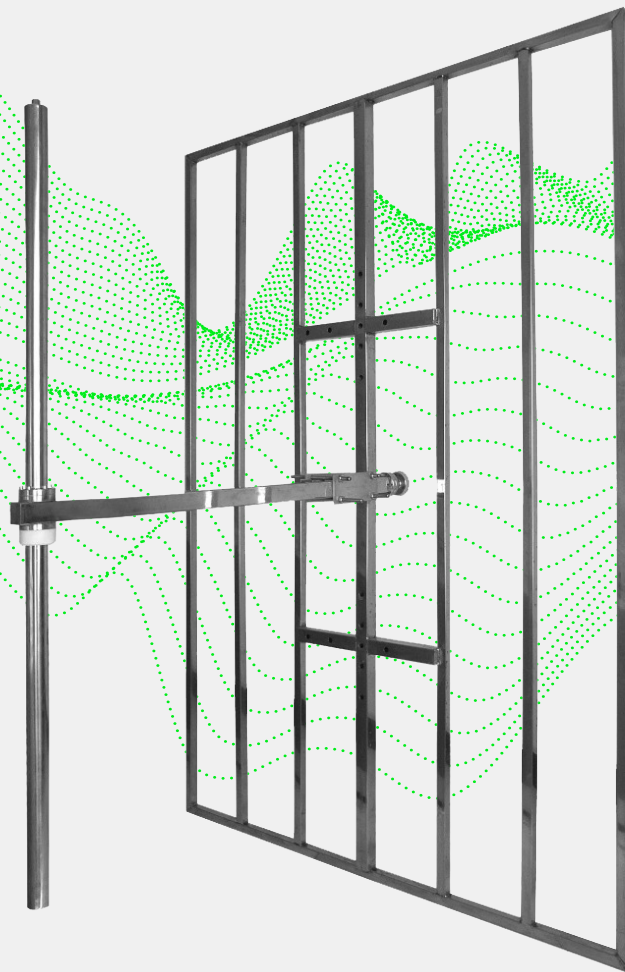


RFE

MAKING  
BROADCAST  
SMARTER

# Panel Antenna HP-D

ANTENNA SYSTEMS



**RFE**MAKING  
BROADCAST  
SMARTER

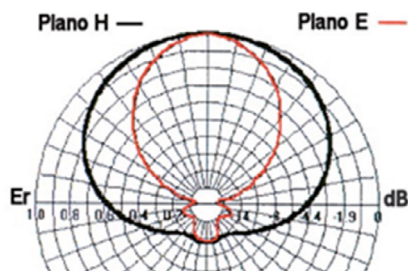
PRODUCT DESCRIPTION

## FM Antenna HP-D



### PRODUCT DESCRIPTION

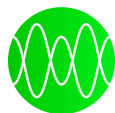
HP-D is a single dipole panel antenna, with linear polarization and directional pattern. Ideal for high power broadcast application, it is pressurizable and suitable for military standards.



### MAIN FEATURES

- 87,5-108 MHz Broadband.
- Suitable for omnidirectional stacked array
- Robust construction in stainless steel
- Detachable for easy packing and shipping
- Linear polarization
- Single dipole panel
- Directional
- Pressurizable
- Mil standards





**ELECTRICAL  
DATA**

<b>Frequency Range</b>	87.5÷108 MHz
<b>Gain</b>	4,5 dB [6,7 dBi]
<b>VSWR</b>	≤ 1,2 : 1Broadband
<b>Horizontal amplitude</b>	150° at -3 dB [H plane]
<b>Vertical amplitude</b>	75° a -3 dB [E plane]
<b>Polarization</b>	Vertical or Horizontal
<b>Connector</b>	DIN 7/16" or EIA 7/8"
<b>Max Power Rating</b>	3 kW @ DIN 7/16" - 5 kW @ EIA 7/18"
<b>Input Impedance</b>	50 Ω
<b>Lighting Protection</b>	DC Grounded

**MECHANICAL  
DATA**

<b>Dimensions</b>	1.275 x 1.825 x 50 mm [reflector] 1.210 x 310 x 150 mm [dipole]
<b>Weight</b>	18 Kg net
<b>Wind Load</b>	[160 Km/h]: 85 Kg
<b>Packing</b>	1.280 x 1.830 x 80 mm - 17 Kg (reflector) 1.260 x 310 x 150 mm - 8 Kg (dipole)
<b>Mounting</b>	Directly on the tower through 4 holes F 8 mm at 625 x 600 mm, or with brackets for poles F 35 to 102 mm
<b>Materials</b>	Body and reflector stainless steel. Silver copper. PTFE
<b>Treatments</b>	Military standard treated dipole [MIL-C-5541]. Silver plated line. Hot galvanized brackets
<b>Icing protection</b>	Pressurizable dipole

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

