

## Log Periodic Antennas LPDR FM Series

## Product Description

The LPDR FM series log periodic antenna is a wideband antenna, with low VSWR and without lateral lobes.

It can be used in vertical or horizontal polarization due to its symmetrical rear fixation.



LPDR FM

## Features/Benefits

- Receiving FM emissions on re-emission stations
- Directive emissions, with large azimuth sector (re-emitters)
- Multi-assembly possible, following various configurations
- Easy to implement due to its low weight
- Easily transportable as the rods can be dismantled
- Individual packaging: 0.20 x 0.20 x 1.30m
- All the metallic parts of the antenna are connected to the ground, helping static load out-flow

## Technical Specifications

Product Line	Antenna Radio
Product Type	Band II (VHF) FM Log Periodic Antennas
Frequency Range, MHz	85 - 108
Polarization	Horizontal, Vertical
Nominal Gain (Mid-band), dBd	6 dBi
Half Power Beamwidth E-Plane, degrees	70
Half Power Beamwidth H-Plane, degrees	120
Return Loss, dB	> 18
Input Connector	N socket on RG213 U Coaxial Cable
Power Rating, kW	0.6
Front to Back Ratio, dB	> 15
Impedance, ohms	50
Weight, kg (lb)	5.5 (12.1)
Boom Length, cm (in)	125 (49)
Reflector Length, cm (in)	192 (76)
Effective Area Front (full antenna), sq m (sq ft)	0.22 (2.37)
Wind Rating (no ice), km/h (mph)	200 (130)
Wind Rating (1cm Ice), km/h (mph)	120 (70)
Material - Support Pole / Mounting	Hot galvanized mounting interface
Material - Radiators	aluminium alloy
Coating	Thermo gloss paint
Colour	White
Shipping Weight, Kg (lb)	11 (24)
Shipping Dimension - Length, cm (in)	171 (67.3)
Shipping Dimension - Width, cm (in)	23 (9)
Shipping Dimension - Height, cm (in)	21 (8.3)

## Notes

## Options

- Hot-galvanized mounting hardware for 50 to 95mm  $\varnothing$  support pipes. Available up to 135mm upon request.
- Power splitter (BJ) for antenna array.
- Phasing coaxial straps.
- Fitted, low loss coaxial cables - any length.
- Supports – tubes, small and large pylons.

## Other Documentation

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