

Log Periodic Antennas LPD 9 III Series

Product Description

The LPD 9 III series log periodic antenna is a directional wideband antenna, with low VSWR and without lateral lobes. It can be used in vertical or horizontal polarization due to its rear fixation.



Features/Benefits

- Receiving from principal television emitters at re-emission stations
- Directive emissions
- High 9.5dBi gain
- Multi-assembly possible
- Easy to implement due to its low weight
- Easily transportable as the rods can be dismantled
- Individual packaging: 2.41 x 0.30 x 0.30m (15kg)
- All the metallic parts of the antenna are connected to the ground, helping static load out-flow.

Technical Specifications

Product Line	Antenna TV
Product Type	Band III (High VHF) TV Log Periodic Antenna
Frequency Range, MHz	170 - 230
Polarization	Horizontal, Vertical
Nominal Gain (Mid-band), dBd	7.5
Half Power Beamwidth E-Plane, degrees	55
Half Power Beamwidth H-Plane, degrees	75
Return Loss, dB	> 19
Input Connector	N socket on RG213 U coaxial cable
Power Rating, kW	0.4
Front to Back Ratio, dB	> 20
Impedance, ohms	50
Weight, kg (lb)	6.7 (14.7)
Boom Length, cm (in)	200 (79)
Reflector Length, cm (in)	90 (35.4)
Effective Area Front (full antenna), sq m (sq ft)	0.17 (1.83)
Wind Rating (no ice), km/h (mph)	220 (140)
Wind Rating (1cm Ice), km/h (mph)	150 (90)
Material - Support Pole / Mounting	Hot galvanized mounting interface
Material - Radiators	aluminium alloy
Coating	Thermo gloss paint
Colour	White
Shipping Weight, Kg (lb)	15 (33)
Shipping Dimension - Length, cm (in)	241 (94.9)
Shipping Dimension - Width, cm (in)	30 (11.8)
Shipping Dimension - Height, cm (in)	30 (11.8)

Notes

Options

- Hot-galvanized fixation interfaces for diameter 50mm to 115mm tubes (available from diameter 30mm up to 150mm upon request)
- Power splitter (BJ) for antenna array
- Phasing coaxial straps
- Fitted, measured, low loss coaxial cables - any length
- Supporting pylons (SL 190 - SL 450, ...)

Other Documentation

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