

Log Periodic Antennas LTVC Series

Product Description

The LTVC series log periodic antenna is a directional wideband antenna without lateral lobes. It can be used in vertical or horizontal polarization due to its symmetrical rear fixation adapted to 50 - 115 tubes.

The antenna is totally protected by a polyester fibreglass radome, guaranteeing correct operation in the harshest conditions: rain, snow, frost, sea corrosion, etc.



LTVC

Features/Benefits

- Receiving TV emissions on the UHF band
- Single gain of 10dBi on average
- Multi-assembly of 2, 4, 8 antennas making it possible to obtain a high gain and an outstanding directivity to eliminate jamming and interferences
- Easy to implement due to its low weight
- Individual packaging: 2.10 x 0.50 x 0.30m
- 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 IV/V (UHF) TV Log Periodic Antenna
Frequency Range, MHz	460 - 860
Polarization	Horizontal, Vertical
Nominal Gain (Mid-band), dBd	8
Half Power Beamwidth E-Plane, degrees	50 +/- 5
Half Power Beamwidth H-Plane, degrees	65 +/- 5
Return Loss, dB	> 19
Input Connector	7-16 DIN
Power Rating, kW	0.3
Front to Back Ratio, dB	25
Impedance, ohms	50
Weight, kg (lb)	7 (15)
Dimensions (Height or Length), cm (in)	130 (52)
Dimensions (Width), cm (in)	45 (18)
Dimensions (Depth), cm (in)	12 (5)
Mounting (Standard), mm (in)	Steel saddle assembly to 30 - 120mm (1.2 - 4.7) tube
Mounting (Optional), mm (in)	Steel saddle assembly to 110 - 150mm (4.3 - 6) tube
Effective Area Front (full antenna), sq m (sq ft)	Vert Polarised 0.4 (4.3); Horiz Polarised 0.14 (1.51)
Wind Rating (no ice), km/h (mph)	220 (140)
Material - Radome	Polyester
Material - Support Pole / Mounting	Hot galvanised steel
Colour	White
Shipping Weight, Kg (lb)	19 (42)
Shipping Dimension - Length, cm (in)	210 (82.7)
Shipping Dimension - Width, cm (in)	50 (19.7)
Shipping Dimension - Height, cm (in)	30 (11.8)

Notes

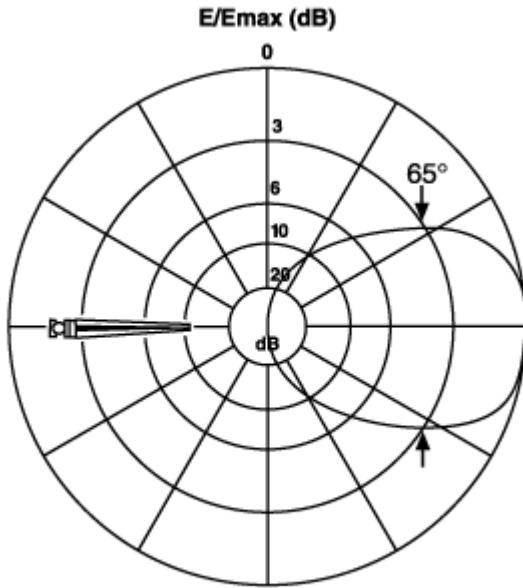
Options

- Hot-galvanized mounting hardware for 30 to 120mm support pipes. Available up to 110 to 135mm upon request
- Stainless steel screw set for interface
- Power splitter (BJ) for antenna array in 2, 3, 4 and 6 directions
 - Phasing coaxial straps
- Fitted, low loss coaxial cables - any length
- Supports: tubes, small and large towers.

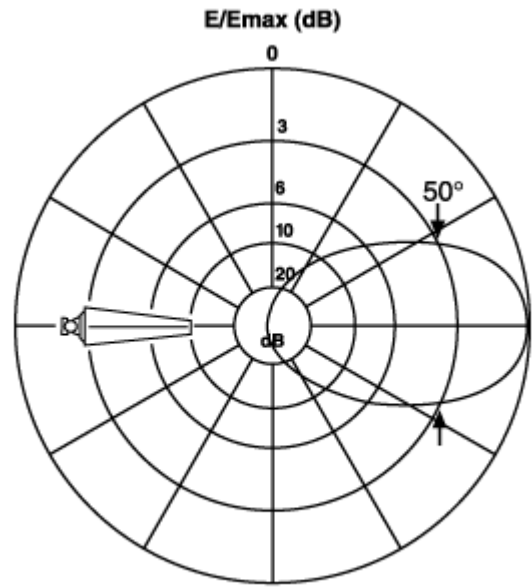
Other Documentation



Log Periodic Antennas LTVC Series



Vertical polarization
(H plane)



Horizontal pattern
(E plane)

All information contained in the present datasheet is subject to confirmation at time of ordering