

Log Periodic Antennas LTV Series

Product Description

The LTV series log periodic antenna is a wideband directional antenna without side lobes. It may be used as either a transmitting or receiving antenna for TV Band IV and V in either vertical or horizontal polarisation.



Features/Benefits

- Multi-assembly of 2 or 4 antennas making it possible to obtain a high gain and high directivity to eliminate jamming and interference.
- Low weight.
- Aluminium alloy construction with thermo-gloss paint for high resistance to corrosion under the harshest environmental conditions.

Technical Specifications

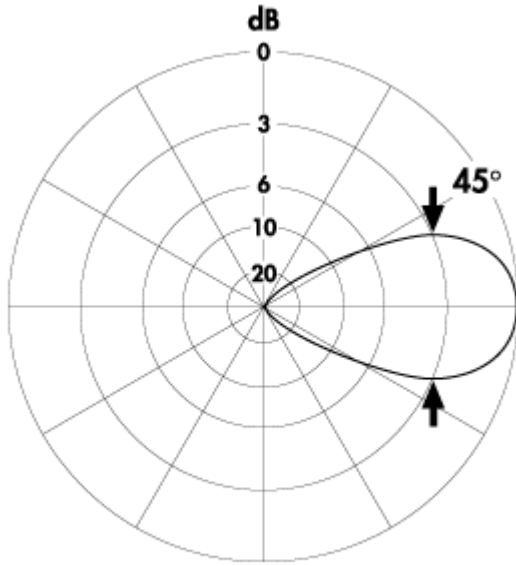
Product Line	Antenna TV
Product Type	Band IV/V (UHF) TV Log Periodic Antenna
Frequency Range, MHz	470 - 860
Operating Frequency Ranges, MHz	680 - 860
Polarization	Horizontal, Vertical
Nominal Gain (Mid-band), dBd	12
Half Power Beamwidth E-Plane, degrees	35 +/- 5
Half Power Beamwidth H-Plane, degrees	45 +/- 5
Return Loss, dB	> 14
Input Connector	Single element 7-16 DIN, Array 7/8" EIA
Power Rating, kW	1.8 (7/8" EIA i/p connector)
Front to Back Ratio, dB	> 25
Impedance, ohms	50
Weight, kg (lb)	3 (6.6)
Dimensions (Height or Length), cm (in)	160 (63)
Dimensions (Width), cm (in)	20 (7.9)
Mounting (Standard), mm (in)	Mounting interface (hot galvanised) for tube 30 - 95mm (1.2 - 3.7)
Mounting (Optional), mm (in)	Mounting interface (hot galvanised) for tube 110 - 150mm (4.3 - 6)
Effective Area Front (full antenna), sq m (sq ft)	15
Wind Rating (no ice), km/h (mph)	220 (136)
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)	240 (94.5)
Shipping Dimension - Width, cm (in)	30 (11.8)
Shipping Dimension - Height, cm (in)	30 (11.8)

Notes

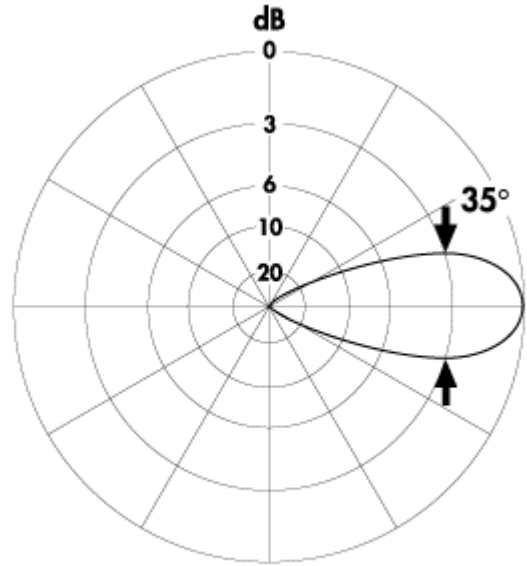
Options

- Low loss coaxial jumper cables, any length, equipped and tested.
- Hot galvanised mounting interface for tube 110mm to 150mm.
- Wideband power dividers (BJ) 2-3-4-6 directions, low or high power.

Other Documentation



H Plane



E Plane

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