



# LOG/G

## UHF MICROWAVE LINKS ANTENNA



**General.** The LOG/G Directional Antenna is designed for microwave links purposes in UHF Band V (470 – 900 MHz). This antenna is made with non-corrosive aluminium alloy and composed of 15 elements and a mounting bracket.

**Effective cost.** Good performances at effective cost is the main feature of this antenna.

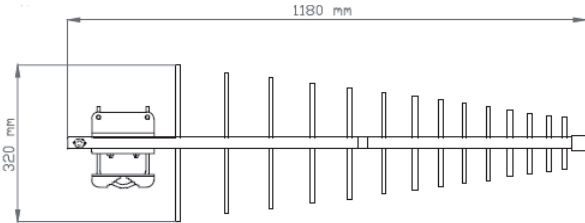
**Broadband.** Suitable for channel or broadband operations with multi-channel combiners.

**Horizontal or Vertical polarization** are possible with the standard mounting brackets.

**Instant installation.** The reduced overall dimensions and the low weight permit an easy installation even on light poles.

**Disassemblable.** This antenna is disassemblable in order to reduce the shipment and stocking costs.

**Lightning resistance** is guaranteed by the DC ground potential of the entire antenna.



### Technical Parameters

#### RF DATA

Frequency Range	850 - 1020 MHz
Bandwidth	Broadband
Polarization	Horizontal or Vertical
Connector	N female
Max. power handling capability:	300 W
Gain (at mid band, ref. to $\lambda/2$ dipole):	12 dBd
Impedance	50 $\Omega$
Front to back ratio:	>20 dB
Wind load (ref. 150 Km/h):	
Frontal	14 Kg
Lateral	12 Kg
Grounding	Via clamps
Horizontal Beamwidth (at -3 dB, at mid band):	25°
Vertical Beamwidth (at -3 dB, at mid band):	35°

#### MECHANICALS

Materials	Aluminium
Pole diameter	25 – 55 mm (others on request)
Dimensions (HxL):	
Number of radiating elements	14
Weight:	4:2:0 1.5 to 15Mbps

