



LOG/3B-LOG/4B

VHF/UHF MICROWAVE LINKS ANTENNAS



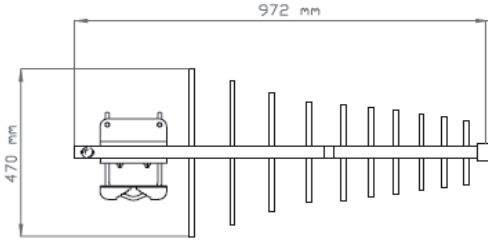
• **General.** The LOG/3B and LOG/4B Directional Antennas are designed for short distance FM Radio & TV microwave links purposes in 170 – 230 MHz (LOG/3B) and 300 – 470 MHz (LOG/4B) frequency bands. These antennas are made with non-corrosive aluminium alloy and composed of 10 elements and a mounting bracket.

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

• **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.

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



Technical Parameters

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RF DATA	Frequency Range	
	LOG/3B	170 - 230 MHz
	LOG/4B	300 – 470 MHz
	Bandwidth	Broadband
	Polarization	Horizontal or Vertical
	Connector	N female
	Max. power handling capability:	
	LOG/3B	300 W
	LOG/4B	300 W
	Gain (at mid band, ref. to $\lambda/2$ dipole):	
	LOG/3B	9.3 dBd
	LOG/4B	9.4 dBd
	Impedance	50 Ω
	Front to back ratio:	
	LOG/3B	>18 dB
	LOG/4B	>17 dB
	Lateral wind load (ref. 150 Km/h):	
	LOG/3B	19 Kg
	LOG/4B	19 Kg
	Grounding	Via clamps
Horizontal Beamwidth (at -3 dB, at mid band):		
LOG/3B	23°	
LOG/4B	23°	
Vertical Beamwidth (at -3 dB, at mid band):		
LOG/3B	27°	
LOG/4B	26°	
MECHANICALS	Materials	Aluminium
	Pole diameter	25 – 55 mm (others on request)
	Dimensions (HxL):	
	LOG/3B	985x470 mm
	LOG/4B	972x470 mm
	Weight:	4:2:0 1.5 to 15Mbps
	LOG/3B	1.8 Kg
LOG/4B	1.7 Kg	

