

## YAGI DIRECTIONAL ANTENNA

- Various models available in the 300 ÷ 400 MHz frequency range
- Simmetrical feed point with built-in balun
- Other frequency bands upon request



### ELECTRICAL

Frequency	305 ÷ 315 MHz	(LY97L)
	320 ÷ 330 MHz	(LY93L)
	325 ÷ 335 MHz	(LY91L)
	335 ÷ 345 MHz	(LY88L)
	355 ÷ 365 MHz	(LY83L)
	385 ÷ 395 MHz	(LY77L)

Polarization	linear, horizontal or vertical
VSWR	< 1.5 across band
Gain	11 dBi
Front-to-back ratio	> 18 dB
Half power beamwidth	44° (E-plane) × 52° (H-plane)
Power rating	100 W cw
Lightning protection	DC grounded

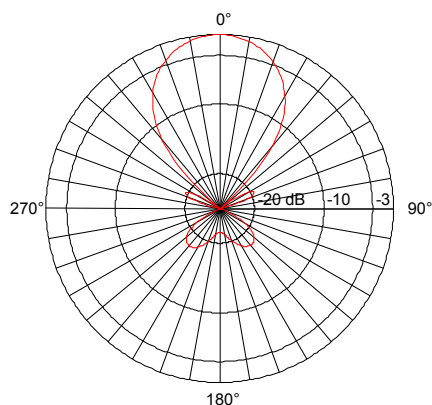
### MECHANICAL

Connector	BNC-female, 50 Ω
Boom × element lenght	1180 × 480 mm (LY97L)
Mass	1700 g (LY97L)
Wind loading	8 kg @ 150 km/h (LY97L)
Standard finish	aluminium anticorodal, stainless steel hardware

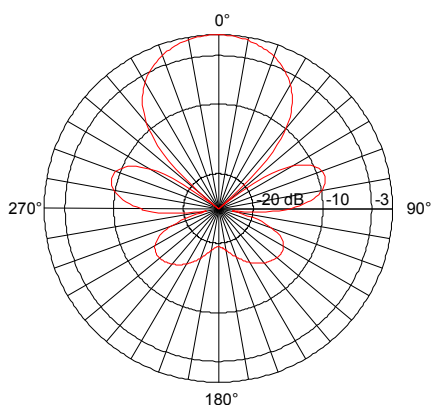
### MOUNTING

Standard interface	center bracket
Mast diameter range	40 ÷ 60 mm

E-plane pattern



H-plane pattern



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Since ElettroMagnetic Services is specialized in development and production of custom antennas, if you need electrical and/or mechanical modifications of this product to meet a particular application or requirements, please feel free to contact us directly.

### HEADQUARTERS

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