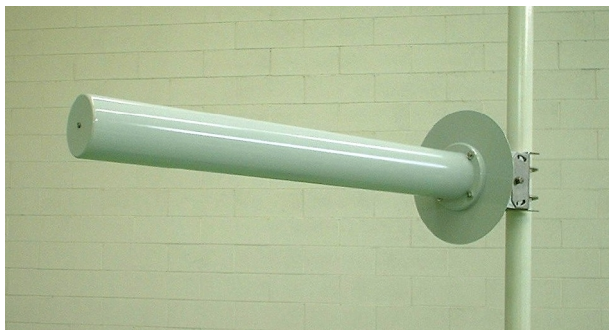


# AH19C

*ElettroMagnetic Services*  
SRL

## AXIAL HELIX ANTENNA

- High gain, circularly polarized directional antenna
- Tiltable stainless steel bracket and hardware
- Customization available



### ELECTRICAL

Frequency	1400 ÷ 1650 MHz
Polarization	right hand circular (RHCP)
VSWR	< 1.5 across band
Gain	14.5 dBic (average)
Front-to-back ratio	> 20 dB
Half power beamwidth	28° (Az) × 28° (El)
Power rating	25 W cw
Lightning protection	DC grounded

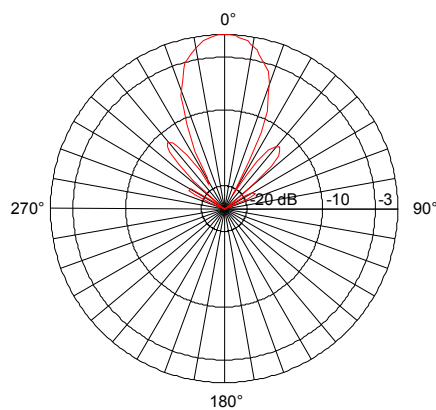
### MECHANICAL

Connector	N-female, 50 Ω
Dimensions	600 (helix length) × 70 (helix dia.) × 200 (reflector dia.) mm
Mass	1600 g (mounting hw included)
Wind loading	6 kg @ 150 km/h
Standard finish	RAL 7035 (light grey) stainless steel bracket

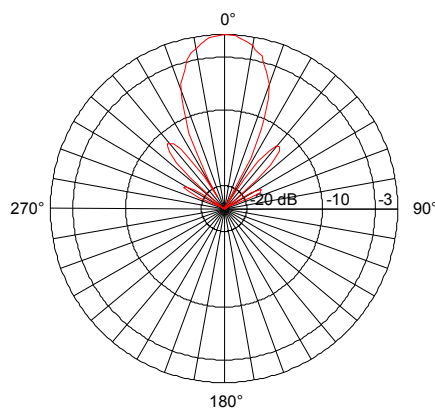
### MOUNTING

Standard interface	tiltable rear bracket
Mast diameter range	40 ÷ 60 mm

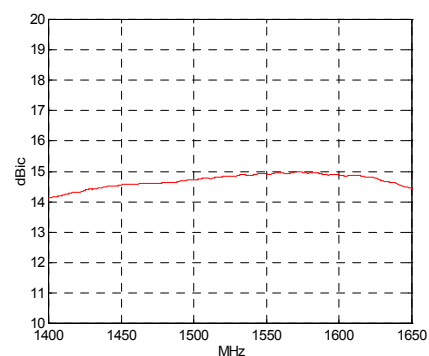
Azimuth pattern



Elevation pattern



Gain curve



Due to technical improvements, specifications provided in this data sheet may change without notice.  
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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.

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