

AH75C

ElettroMagnetic Services
SRL

AXIAL HELIX ANTENNA

- High gain, circularly polarized directional antenna
- Stainless steel bracket and mounting hardware
- Customization available



ELECTRICAL

| | |
|----------------------|----------------------------|
| Frequency | 398 ÷ 403 MHz |
| Polarization | right hand circular (RHCP) |
| VSWR | < 1.5 across band |
| Gain | 13 dBic |
| Front-to-back ratio | > 18 dB |
| Half power beamwidth | 40° (Az) × 40° (El) |
| Power rating | 100 W cw |
| Lightning protection | DC grounded |

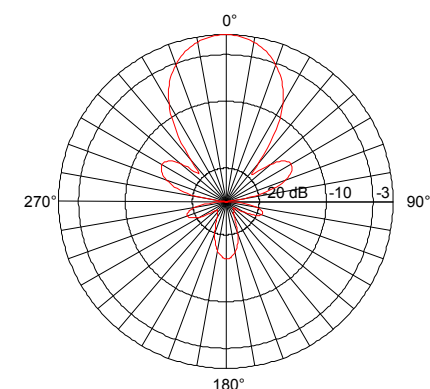
MECHANICAL

| | |
|-----------------|---|
| Connector | N-female, 50 Ω |
| Dimensions | 1250 (helix len.) × 250 (helix dia.) 700 × 700 (reflector size) mm |
| Mass | 8000 g (mounting hw included) |
| Wind loading | 45 kg @ 150 km/h |
| Standard finish | RAL 7035 (light grey) stainless steel bracket |

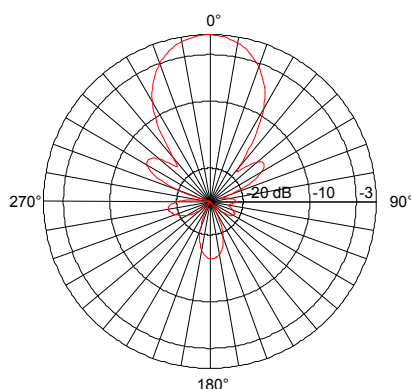
MOUNTING

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

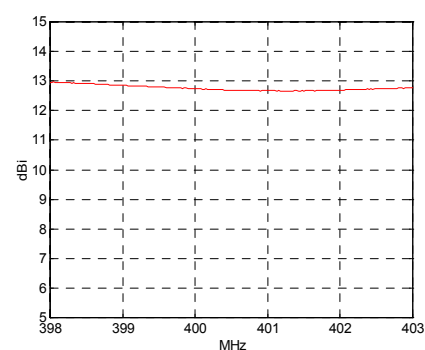
Azimuth pattern



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.

HEADQUARTERS

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