

QH75C

ElettroMagnetic Services
SRL

QUADRIFILAR HELIX ANTENNA

- For UHF satellite applications
- Full radome protected
- Other band upon request



stainless steel mast bracket

ELECTRICAL

Frequency	398 ÷ 403 MHz
Polarization	RHCP
VSWR	< 1.5
Gain	3.5 ± 0.5 dBic
Front-to-back ratio	> 13 dB
Half power beamwidth	360° (Az) × 145°±5° (El)
Power rating	20 W cw
Lightning protection	DC grounded

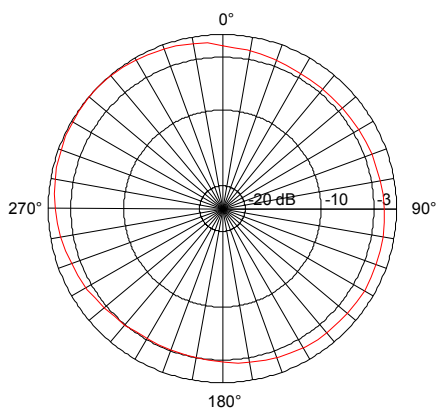
MECHANICAL

Connector	N-female
Radome height × diameter	315 × 100 mm
Total height	475 mm
Mass	1030 g
Wind loading	6 kg @ 150 km/h
Standard finish	polycarbonate radome, light grey RAL-7035 colour

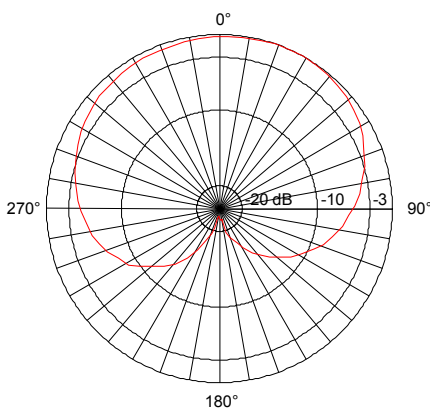
MOUNTING

Standard interface	stainless steel bracket
Mast diameter	35 ÷ 60 mm

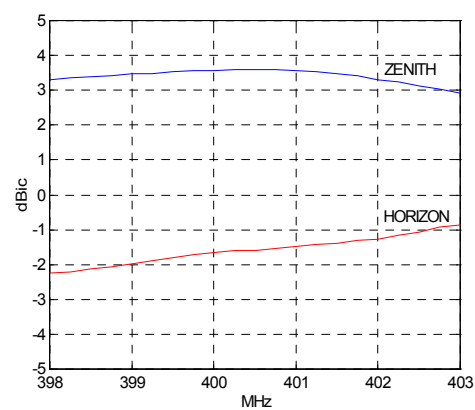
Azimuth pattern



Elevation pattern



Gain



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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