

4-band Communications Antenna (FM – VHF – TETRA – UHF)

proTAC 5401 compact and robust 4-band communications antenna for patrol boats is designed for demanding marine and military conditions.

proTAC 5401 4-band communications antenna offers good match for FM receiver, Marine VHF, TETRA and 450MHz UHF LTE/WiMAX bands. Alternatively 450 MHz band can be used with TETRA TEDS radios.

High performance and robust proTAC™ technology reduces design complexity of vessels topside structures by radically minimizing the antenna count. It not only makes the design easier but it also reduces intermodulation interference and cross-talk that would otherwise occur in too densely located antenna environments.

Used together with Quadruplex Antenna Combiner-proFIL 4401 it is possible to use simultaneously up to four radios.

proTAC™ technology combines unique design and materials that minimize radar cross section increases robustness and reduces interference while being compact in size.

Advanced features create advantage

- less interference
- requires ground plane
- compatible NATO-flange mount
- very compact and robust design
- aluminum and nylon body, replaceable carbon fibre whip
- designed to be used with proFIL 4401 and four radios
- can be used with proISO 1001 to prevent ground loops

Electromagnetic modelling services fine-tunes performance

Use our advanced proEMS™ electromagnetical simulation, modelling, analysis and measurement services to create a complete 3D-electromagnetic environment of the ships' external structures. This way the optimum location for each antenna with the least interference can be found and verified. The proEMS™ services are useful for any size of boat or ship and will be tailored for each customer separately.



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Technical features

Antenna type:

Omnidirectional
Operational mode is monopole
Adequate ground plane and contact is required

Frequency range:

FM: 88MHz - 108MHz
VHF: 150MHz - 170MHz
TETRA: 380MHz - 420MHz
UHF: 450MHz - 470MHz

Antenna gain:

FM: -5dBi
VHF: 1dBi
TETRA: 2dBi
UHF: 1dBi

Return loss:

FM: >6dB
VHF: >10dB
TETRA: >10dB
UHF: >10dB

Powerhandling:

Continuous total 50W

Mounting:

NATO-flange mount with four bolts
O-ring supplied for sealing

Connector:

N-type female at bottom

Enviromental:

Case IP68 shock proof
Operating temp: -30° - +60°

Material:

Aluminium base
Carbon fibre radiator whip

Dimensions:

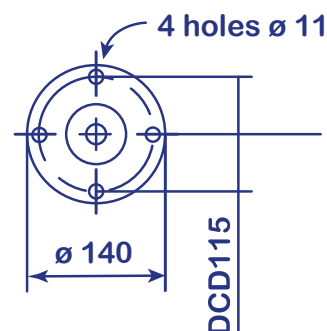
Height: 400 mm (without connector)
Width: 140 mm (base plate)
Weight: 620 g

Order code:

ANT5401:
proTAC 5401 4-Band Communications
Antenna (FM – VHF – TETRA – UHF)

Delivery time:

From stock (with reservations)



Dimensions:
Height: 400 mm

Width: 140 mm

Connection example

