

# UHF-GNSS

## 3 dB Dual Band Marine UHF and GNSS Glass Fibre Antenna 0.5 m

High quality small size antenna for professional use combining Tetra bands and four satellite navigation/positioning systems

- Covers four GNSS systems; GPS, GLONASS, BeiDou and Galileo
- Dual down-lead cable design
- Full  $1/2 \lambda$  dipole UHF antenna design
- Full omni-directional radiation pattern

### ELECTRICAL SPECIFICATIONS

Frequency	380 - 400 MHz, 1561.1 - 1610 MHz
Bandwidth	UHF: 20 MHz, GNSS: 54.6 MHz
Impedance	50 Ohm
VSWR	<1.5:1 (UHF)
Satellite System	GPS, GLONASS, BeiDou and Galileo
Polarisation	Vertical (UHF), Right Hand Circular (RHC) (GNSS)
Gain	3 dB (Marine), 0 dBd, 2.15 dBi
Max. Input Power	35 W (UHF)
LNA Gain	Typ. 26 dB (GNSS)
Supply Voltage	3.5 - 5.0 VDC (fed via coax cable) (GNSS)
Power Consumption	Approx. 20 mW @ 5.0 VDC (GNSS)



## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	White and Chrome
Height	Approx. 500mm
Mounting	Deck mount
Materials	PC, PCB, PTFE, copper and stainless steel
Survival Wind Speed	55 m/s (125 mph)
Operating temperature	-40 to +70 °C
Connector	See 'ORDERING INFORMATION'
Cable	LTR195 (black), for length see 'ORDERING INFORMATION'
Ingress Protection	IP66, when mounted on deck. Antenna ventilated through deck mounting
Serial no.	On product label

## ORDERING INFORMATION

18002-001	2 x 5 meter - SMA-male Individually packing in Polybag
18002-011	2 x 10 meter - SMA-male Individually packing in Polybag
18003-001	2 x 10 meter - SMA-male (GNSS), TNC-male (UHF) Individually packing in Polybag

## PACKAGING INFORMATION

Type	See 'ORDERING INFORMATION'
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