

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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