



Datasheet

VHF110-03NC

3/26 dB VHF/GPS Fibre glass Antenna 1.1 m + Diplexer

- High quality combined VHF and active GPS antenna for professional use
- Single down-lead antenna cable design
- Diplexer included
- Full $1/2 \lambda$ dipole antenna design (VHF-part)
- Full omni-directional radiation pattern
- DC-grounded (DC-short)
- No ground plane needed

Electrical Specifications:

Frequency	156 - 162.5 MHz, (VHF-band) 1555.4 - 1610 MHz (4 GNSS bands)
Bandwidth	VHF: 6.5 MHz, GNSS: 54.6 MHz
Impedance	50 ohm
VSWR	VHF: < 2.0:1
Satellite System	GPS, GLONASS, BeiDou and Galileo
Polarization	Vertical
Gain	3 dB (Marine), 0 dBd, 2.1 dBi
Input Power	VHF: 35 W
LNA Gain	GPS: Typ. 26 dBi
Supply voltage	GNSS: 3.5 - 5.5 VDC (Fed via coax connection cable and diplexer from receiver)
Power consumption	GPS: Approx. 20 mW @ 5 V

Mechanical Specifications:

Color	White and chrome
Height	Approx. 1120 mm
Mounting	On 1" threaded pole (G1"-11 thread) with Revolving Nut Kit or on optionally brackets
Mounting place	On mast or deck (Diplexer inside vessel - not water-proof)
Materials	PU-painted glass fibre, tin plated steel, pcb, PTFE, copper and chrome plated solid brass
Operating temperature	-40C to +70C
Survival Wind Speed	55 m/s (125 mph)
Connector 1	Antenna: N-female
Connector 2	Diplexer: 3 pcs. FME-male
Cable	Supplied (3 cables are needed for the installation of Antenna and Diplexer)
Ingress Protection	IP66
Serial no.	On product labels

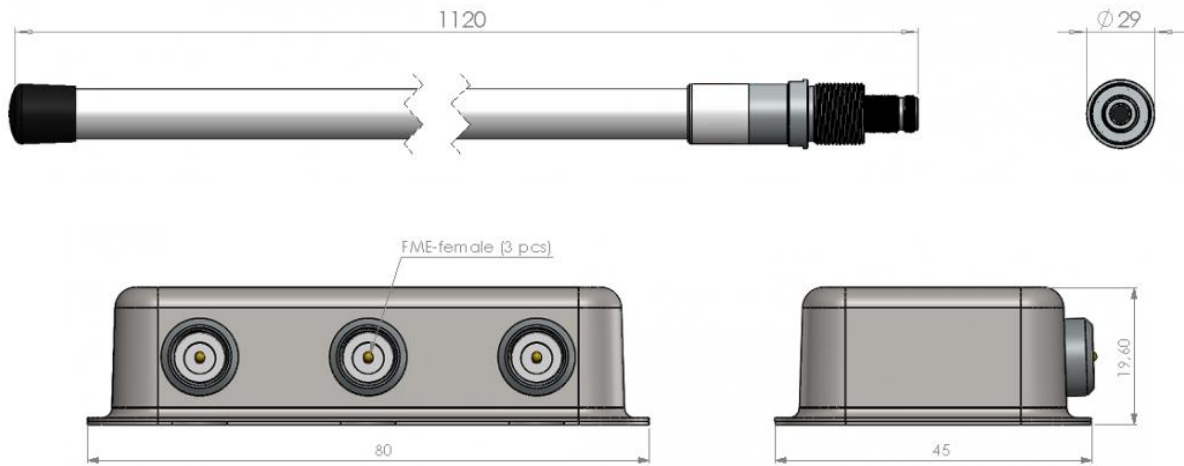
Ordering information

3208.0436 Antenna + 1" Revolving Nut Kit
+ 3 cables

Packaging information:

Type Antenna + Diplexer + 1" Revolving
Nut Kit + 3 cables – in Carton tube
Size Max. 1.5 m

Outline drawing



Radiation Pattern

