



Antennas

- TENTA-11
- GA-22

▶ VHF Antenna, TENTA-11

Built for tough environments, the TENTA-11 antenna completes AIS's VHF requirements and it may also be used with other VHF ready devices. This fiberglass antenna is highly sensitive and has a notable high performance.

▶ GPS Antenna, GA-22

GA-22 is a maritime GPS antenna designed for the tough marine environment. This antenna enables the required GPS function for AIS systems, chartplotters, and other navigational devices. Many AMEC devices are GPS ready, simply connect this GPS antenna to see your vessel location, speed, and other information.

TENTA-11 FEATURES

- Maritime environment VHF antenna
- 100% compliant with all AMEC AIS devices

GA-22 FEATURES

- Built-in LNA (Low Noise Amplifier)
- Compliant with IEC60945

SPECIFICATIONS

► VHF ANTENNA, TENTA-11

ELECTRICAL

Frequency Range	156 MHz ~ 163 MHz
Gain	2.86 dBi
Polarization	Vertical
VSWR	1.5 max
Impedance	50Ω
HPB	65.77 degree
FBR	1.81 dB

ENVIRONMENTAL

Operating Temperature	-30°C~75°C
Storage Temperature	-30°C~75°C
Operating Humidity	95% RH at 40°C

PHYSICAL

Dimension	36 mm (ψ) x 1,200 mm (L)
Weight	860 g (w/o mount)
Color	White
Connector	PL-259 (female)

► GPS ANTENNA, GA-22

GPS ANTENNA

Center Frequency	1575.42 MHz ± 2 MHz
Band width	10 MHz
VSWR	1.5 Max (Typical 1.3)
Axial Ratio	1.5 dB Typical
Radiation Efficiency	-60%
Polarization	Right Hand Circular Polarization

LNA (Low Noise Amplifier)

Frequency	1575.42 MHz
Gain	29 dB Typical @ 3.3V dc
VSWR	2 Max
Noise Figure	0.95 dB Typical
Out-Band Attenuation	20 dB min. @ $f_c \pm 50$ MHz
DC Power Input	DC 3~5 V
Power Consumption	5mA @ 3.3V, 8.5mA @ 5V
Output Impedance	50Ω

GPS ANTENNA & LNA

Frequency	1575.42 MHz
Gain	31 dB Typical
Noise Figure	0.65 dB Typical
Axial Ratio @ Zenith	1.5 dB Typical
VSWR	1.5 Max (Typical 1.3)
Impedance	50Ω

ENVIRONMENTAL

Operating Temperature	-30°C~+75°C
Storage Temperature	-30°C~+75°C
Relative Humidity	95% @ 40°C, non-condensing
Water Resistance	IP67

MECHANICAL

Dimension	75 mm (Dia.) x 35 mm (H)
Weight	248 g (without mounting)
Connector	TNC (male)
Cable	10M RG174 Cable

Note: Specifications are subject to change without prior notice.



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