Product Overview

CUBO-162 is AMEC’s next generation AIS antenna splitter used to share a single VHF antenna for both VHF radio and AIS transponder or receiver. It provides also a feed for FM radio.

For optimized range of your VHF radio and AIS device, the splitter features zero insertion loss on reception path and ultra low insertion loss on transmission path. It’s fail-safe feature guarantees priority to VHF radio operation even if the splitter is turned off. The built-in test function gives a simple diagnosis in the event of antenna problem.

Featured with durable design and compact housing, the CUBO-162 is the best companion of your AIS transponder.

Key Features

- Zero insertion loss for Reception
  CUBO-162 provides optimized AIS and VHF radio performance in all situations.

- Fail-safe Operation
  The guarantee of uninterrupted VHF/DSC radio operation even when the splitter is turned off.

- Low power consumption
  Its advanced circuit design enables low power consumption by optimum performance.

- Self-test function
  The error LED gives a simple diagnosis in the event of antenna problem.

Applications

- VHF Radio
- Recreation Boat
- AIS Transponder / Receiver
- VHF Antenna
DIMENSIONS

[Diagram of dimensions with labels]

CONNECTION DIAGRAM

[Diagram of connections with labels]

SPECIFICATIONS

RF PERFORMANCE
- AIS & VHF Radio Frequency Range: 156.025 MHz – 162.025 MHz
- AIS & VHF Radio Receive path: Typical 0 dB
- AIS & VHF Radio Transmit path: Typical 1 dB

POWER SUPPLY
- Supply Voltage: 12V ~ 24V DC
- Operating current (receive): 100mA typical at 12VDC
- Operating current (Transmit): 150mA typical at 12VDC

LED INDICATION
- One Power Indicator (Green)
- One Error Indicator (Red)
- One VHF Radio Transmission Indicator (Green)
- One AIS Transponder Transmission Indicator (Green)

PHYSICAL
- Width: 128 mm (5.11 inch)
- Height: 36 mm (1.97 inch)
- Depth: 88 mm (7.87 inch) (exclude connector)
- Weight: 230 g
- AIS port: BNC: Max. 12.5W, 50Ω
- VHF Radio port: SO-239: Max. 25W, 50Ω
- Antenna port: SO-239
- FM Radio: Wiring connection

ENVIRONMENT
- Operating Temperature: -15°C ~ 55°C
- Storage Temperature: -25°C ~ 70°C
- Operating Humidity: 95% RH at 40°C
- Waterproof: IPX2

Note: Specifications are subject to change without prior notice.

Sales Contact
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