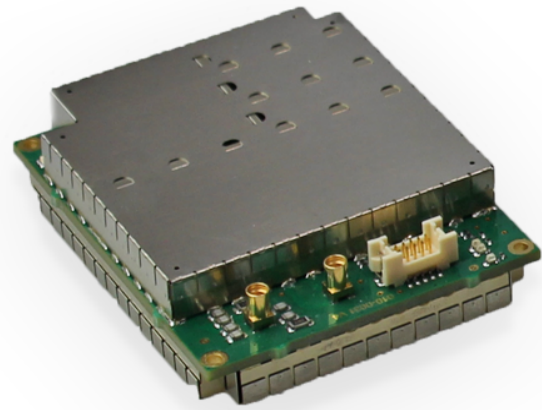


TRIDENT

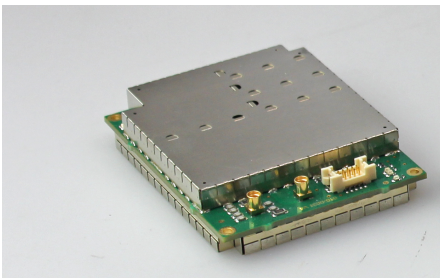
AIS/VHF Antenna Splitter

Product Type: PCA Module

The Trident module offers best in class AIS/VHF radio antenna sharing. Patented technology ensures no loss of performance for the AIS transceiver or VHF radio.



- Exceptional active antenna switching performance
- No loss of VHF radio or AIS performance
- Automatic fall back to VHF Radio in the event of power loss
- Low power consumption
- Maintains AIS Class B specifications & performance parameters



Small form factor designed to be easy to integrate



Patented technology maintains integrity of both devices



Zero loss – no degradation of AIS or radio performance

Integration

This module is specifically designed for easy, quick and low risk integration into any enclosure.

A full integration kit is available for developers, which provides detailed information and support on all physical, electrical and software interfaces.

Customisation

SRT modules offer unmatched capability to be customised for specific applications and markets.

Redundant processing power and built-in flexibility allows the implementation of a wide range of additional features, functions, interfaces and messaging.

Certification

This module meets the required IEC international standards and has been independently tested by accredited European test houses. The module is provided with a full suite of formal test reports, including RF and AIS protocol to support certification in any jurisdiction globally.

Physical Specification

Dimensions	70 x 55 x 13mm (D x W x H)
Weight	45g

Electrical Specification

Power supply	12 to 24VDC
Power consumption	150mA @12VDC

Connectors

PCB header	For power and user indicator outputs
VHF antenna port	MMCX
VHF radio RF port	MMCX
AIS transceiver RF port	U.F.L.

User Interface

LED indicators for power	✓
LED indicators for AIS transmission	✓
LED indicators for VHF transmission	✓

RF Performance

Insertion loss	AIS or VHF receive paths: 0dB AIS or VHF transmit paths: <1dB
Power handling	VHF port: 25W AIS port: 12.5W
Operating frequency range	156.000 – 163.425MHz

Environmental

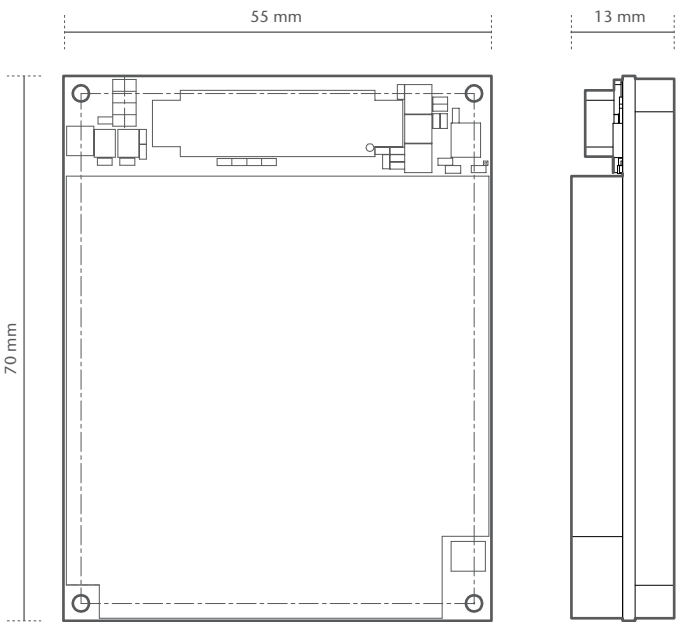
Operating temperature	-15°C to +55°C
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Packaging

Each module is individually packaged in an ESD bag and boxed in batches of 100 units.

Box Size	29 x 41 x 20 inches (D x W x H)
Box Weight	6.4kg

Dimensions



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SRT enhances maritime domain awareness by developing and manufacturing tracking technology and system solutions for individual vessel owners, port authorities, maritime infrastructure owners, coast guards and national security agencies around the globe. Applications include the tracking of commercial and leisure vessels; sustainable fishery; anti-collision; search and rescue; waterway management, port and coast security; pollution management and environmental management.

Contact us now for your OEM requirements:

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